



Catalog

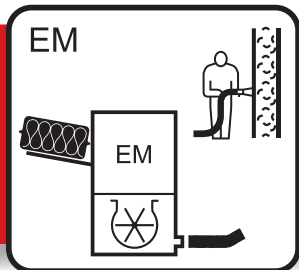
X-FLOC
Insulation blowing machines and
equipment

Part 1:

- ▶ Insulation Blowing Machines
- ▶ Insulation Blowing Mobiles
- ▶ Insulation Blowing Panel for Element Filling
- ▶ Machine Accessories
- ▶ Nozzles and Blowing Accessories
- ▶ Hoses and Connectors
- ▶ Damp Spraying
- ▶ Measurement Devices
- ▶ Worker Protection

Part 2:

- ▶ Price list



Comparison of insulation blowing machines

The right technology for all applications and insulation materials



Comparison of blowing machines

- ▶ EM100 for beginners and do-it-yourselfers
- ▶ Minifant M99 and Zellofant M95 – compact and internationally proven all-rounders
- ▶ EM300, EM400 and EM500 – mobile as well as stationary high-performance machines



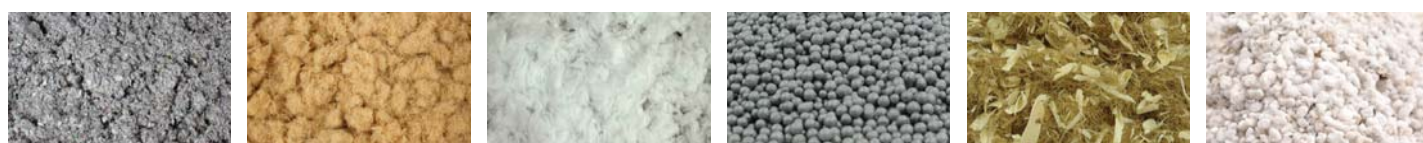
X-Floc blow-in technology

For more than 25 years, X-Floc Dämmtechnik-Maschinen GmbH has been considered a centre of competence for the development of blow-in technology. In the pneumatic conveying of insulation materials, the company developed a multitude of innovations and design standards. Several of these become established as state of the art and many of these innovations are part of the basic equipment of an X-Floc insulation blowing machine.

The company has always remained true to one principle in research and development: X-Floc insulation blowing machines should have a very high compatibility with all insulation materials available on the market (cellulose, wood fibre, mineral wool, granulates, bulk materials, composite materials, etc.). X-Floc thus offers the user the greatest possible flexibility to act with regard to the requirements of the building project as well as to changes in the market.

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Blow-in insulation material product groups

Cellulose

ALSLANAT, Arbocel Climasafe, Cellisol 300, Cellisol 500, Warmcel, Warmcel 500, Zellofix, Ouatex, Eurocellulose, cellulose V1, Vosges Cellulose, Eurocellulose SB, cellulose V3 SB, Vosges Cellulose S B, FranceFloc B, Ecofloc B, Cell la vie B, Néocell B, Optimum MP, Climacell S, Climacell pure, Climacell akust, Climacell inside, Climacell sonic, cellfloc, climacell Loft, climacell InduTec, climacell HSX, climacell FSX, climacell Green Nature, Unifloc, Witherm, DÄMMSTATTs CI 040, KLIMA-TEC-FLOCK, biocell, DÄMMSTATTs CI Dämmschüttung, DÄMMSTATTs CI 040 bf, KLIMA-TEC-FLOCK bf, biocell bf, DÄMMSTATTs CI Dämmschüttung bf, DAEMMSTATT D, Isocell D, Trendisol D, Dobry-Ekovilla D, DAEMMSTATT D bf, Isocell D bf, Trendisol D bf, Dobry-Ekovilla D bf, Isocell P, Isocell for you, FLOCO'MOBIL Dämmflocke, Floci-Cell, naturheld Holzfaser Einblasdämmung, WoodyCell+, WoodyCell Plus, WOODYCELL, isofloc, isofloc L, isofloc L+, isofloc LW, isofloc LM, swissfloc, isofloc eco, isofloc neo, easyfiber, CelluBOR SW, OUATECO PREMIUM, JUST BE GREEN, ISOL+, OUATECO, OUATECO NATURE, STEICOfloc, STEICOfloc NB, THERMOFLOC F, THERMOFLOC B, GREENFLOC, Klima-super, Isocell, trendisol, Isodek, Dobry-Ekovilla, Fibra-Natur, Domexcell, Pavafloc, Renocell, Isolare, Poesis, isECO, ISOCELL F, greenwool, clima-super Evolution, Isocell Evolution, greenwool Evolution, isECO green, clima-super lambda+, clima-super max, Isocell lambda+, greenwool lambda+, isECO lambda+, isECO max, trendisol lambda+, Wolfinger Zellulosedämmung, STT Floc, Ekovilla, Ekovilla Puru, Ekovilla IA, Isonem, Isolet, UpCell, GreenCell, Climatizer plus, Thermocel, La cellulosa, Easycell, Celisol, Isofloc EU 01, WarmFiber, WarmFiber Plus, Termex, Termex Green, Ekocell, Ekocell Green, Kätevå, Kätevå Green, iQ3 CELLULOSE, CELLIPURE, ISOLANT ECOLOGIQUE SEMI, DOMOSANIX, CELLECO etc.

Wood fibre

GUTEX Thermofibre, GUTEX Thermofibre FQ, WOODYCELL SW, AIRFLEX, best wood FIBRE, Hoiz, Jasmin, STEICO zell, Thermocell in-situ formed loose fill insulation, Termoträ Original, Termoträ Fire Protect, Climawood, Hunton Nativo Wood Fiber Insulation Blown-in etc.

Mineral fibre

InsulSafe, Supafil Cavity Wall, Supafil Loft Plus, Supafil Timber Frame, Supafil Max Frame, Teko-Flock, Indi-Flock, Trendi-Flock, swissporROC, COOMBLISSIMO, FLOCOLENE, TECHWOOL, Fillrock KD Plus, Fillrock KD, Fillrock RG Plus, Fillrock RG, Conlit Firesafe, PAROC BLT 5, DOSSOLAN THERMIQUE, Climastone, Climaglass etc.

Mineral granules

BIT Perlit Bachi, HY Perlit Bachi, Neopor, Hyperdämm, Hyperlite KD, Thermoperl, 2K Perlit Flachdachdämmung, Extraperl S4, Thermo-Fill, Thermo-Floor, Thermo-Plan, Thermo-Roof, ISOPLUS100 BEPS-WD, SLS 20F, SLS20 Plus, Perli-Fill, Poraver Blähglas-Granulat, Bauhaus DSX100, Geocell Blähglas, JASS Wärmedämmschüttung, Liaver, NEVOLIT, Climastyren etc.

EPS granules

ThermoWhite WD 100 R, ISO Plus BINDER WD 100R, ThermoWhite WD 70 R (RN), ThermoWhite WD 130 R, HIRSCH PoroBead 033, H2 Wall, Granublow 033, HIRSCH Poro-Bead Plus, H2 Wall Plus, Granublow Plus, Isofloc Pearl, RigiBead Premium 033, RigiBead 035, SwissporEPS Perlen, SwissporEPS Styromull, airpor level 3.0, airpor level 3.0 A, airpor rapid, airpor light, BACHL niveauTHERM 160 Premium, BACHL niveauTHERM 160 Premium-PLUS, BACHL niveauTHERM 400 Premium, BACHL niveauTHERM 400 Premium-PLUS, HK33, TF Pearls, GRANU-PUR, Neopixels Premium HR Insulation, thermotec BEPS-WD 130R, thermotec BEPS-WD 70N, Ecofiber EPS 033 Kerndämmung etc.

Fire protection plaster

ISOVER FireProtect 150, ISOVER FireProtect 150F, DOSSOLAN THERMIQUE, DOSSOLAN 3000, DOSSOLAN-HOECO F II/1, Cafco-BLAZSHIEKD DC/F, Cafco-300, FIBREXPAN etc.

Other insulation material

Hanf-Dämmwolle HDW, AgriCell BW, Einblasstroh, Bio-Einblasstroh, Thermostroh, Thermostraw, Blown straw insulation, Plantacell, Stroheinblasdämmung, Sonnen-Stroh, SunStroh, Blowstraw, Blow-in straw, Loose fill straw insulation, SonnenKlee-Einblasstroh, GREENFLOC, Thermofloc-Dämpfpellets, G-tec gebundener Dämmkork, Iso-Stroh, Flachsflor, Lopas-Strohhäckseldämmung, CEMWOOD CW 1000 / CW 2000, ISOLENA-BLOCK, ISOLENA-OPTIMAL, ISOLENA-PREMIUM, ISOLENA-KLEMMFILZ, ISOLENA-OPTIMAL PLUS, MEHABIT, MEHAPORT, MEHASPORT, NeptuTherm, Calor, THERMO JUTE DUO, THERMO JUTE 100, THERMO JUTE 100 PLUS, Métisse Flocon, FonaTerm - granular, REINFLOCK, Conluto, JOMApertl etc.

Table does not claim to be complete. X-Floc will check other products upon request.

X-Floc Machine series

The re-engineered very first model of Zellofant M95 is still being manufactured today and many machines of the first generation are still in use. This fact speaks for itself. The Zellofant M95 is the symbol for blow-in technology in Europe. Thousands of users still successfully use this machine type today.

But time does not stand still, of course. The demands on a blow-in machine have grown due to the further development of blow-in insulation materials. X-Floc still sets new standards, e.g. with the EM300 and EM400 series. In addition, the company develops special machines for particular areas of application and for special blow-in technology requirements.

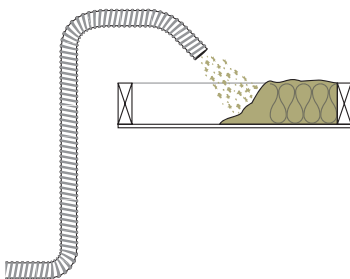


Applications/Blow-in methods

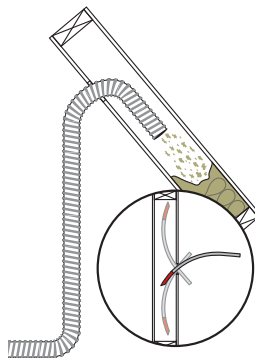
In the blow-in process, thermal insulation material is placed in building components by means of an insulation blowing machine. The insulation material is usually fed to the machine in bag form. The blow-in machine breaks the thermal insulation material, which is compressed

in the delivery container, into pieces and then loosens it further. The loosened insulation material is transported via a hose into the building components to be insulated, where the insulation material fills the room. Compressed by the pressure, it becomes thermal insulation.

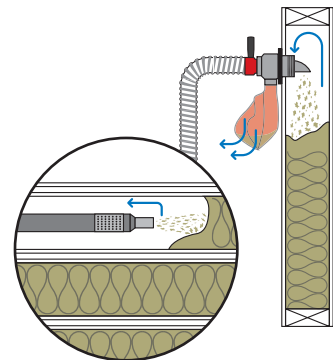
A Open/Atic blowing



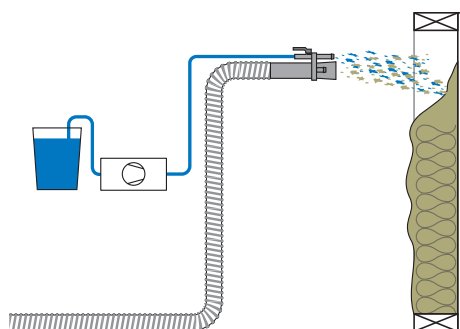
B Dry injection



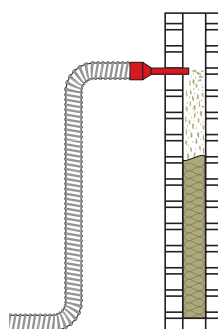
C Ventilated dense blowing



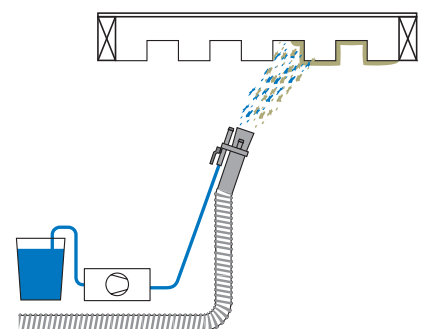
D Damp spraying/CSO




E Cavity wall insulation



F Fire protection plaster



Comparison of insulation blowing machines

Model series	EM100	Minifant M99	Minifant M99	Minifant M99
Machine type	EM100-230V/2,0kW	M99-230V/3,6kW	M99-DS-230V/3,6kW	M99-DS-Pro-230V/3,6kW
				
Article number	3550	3432	3837	5416
Power/Material processing speed	320kg/h	600kg/h	650kg/h	650kg/h
Hopper	0,15m³	0,26m³	0,26m³	0,26m³
Airlock outlet ø	NW63 (2½")	NW63 (2½")	NW75 (3")	NW75 (3")
Dimensions (øxH)	600x500x1300mm (LxWxH)	640x1400mm	640x1400mm	640x1400mm
Unladen weight	117kg	110kg	111kg	111kg
Filling height	1300mm	1400mm	1400mm	1400mm
Airlock ventilation	○	●	●	●
Dust removal/Support for bags	Support for bags (optional)	Support for bags (optional)	Support for bags (optional)	Support for bags (optional)
Machine control	Cable remote control KFB3 (optional KFB30/FFB500)	Radio remote control FFB500 and cable remote control KFB3 (optional KFB30)		Radio remote control FFB2000-Pro and control cable (KFB2000)
Material conditioning	2 horizontal agitator shafts	Rotating agitator with shredder arms		
Shredder	○	○	○	○
Airlock material	Sheet steel	Sheet steel	Sheet steel	Sheet steel
Airlock feed gate adjustable	14 levels, manual	17 levels, manual	17 levels, manual	17 levels, manual
Airlock rotational speed adjustable	○	○	●	●
Automatic switch-off	○	○	○	●
Pressure relief valve	○	○	○	○
Air generator	High-powered radial compressor 1,45kW	High-powered radial compressor 2x1,45kW	High-powered radial compressor 2x1,45kW	High-powered radial compressor 2x1,45kW
Max. dynamic pressure (adjustable)	250mbar	325mbar	340mbar	340mbar
Air feed amplification	External amplification optional e. g. X-Floc Amplifier/Vacuum station VS28/VS33, VS55M/VS75M			
Air volume (nominal/measured)	220/190m³/h	440/350m³/h	440/350m³/h	440/350m³/h
Aspiration with suction hood (cleaning/dust extraction)	○	●	●	●
Conveying height with/without amplifier	15/30m	>30/50m	>30/50m	>30/50m
Hose length L=max.	40m	80m	80m	80m
Motor	1-phase, 0,75kW	1-phase, 0,75kW	3-phase, 0,75kW	3-phase, 0,75kW
Power rating	2,2kW	3,6kW	3,6kW	3,6kW
Power supply	230V/50Hz/10-16A	230V/50Hz/16A (10A possible with one radial compressor)		
Max. material packing density	145kg/m³	145kg/m³	155kg/m³	155kg/m³

Compatibility table																									
Cellulose	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	○	○	●	○	●	●	●	●	●	-	-	●	●	●	●	●	-	●	●	●	●	●	-
Wood fibre	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	○	○	○	-	○	●	●	○	○	○	-	-	●	●	●	●	-	-	●	●	○	●	-	-
Mineral fibre	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	○	○	○	○	○	●	●	○	○	○	○	-	●	●	●	●	●	-	●	●	●	●	●	-
Mineral granules	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	-	-	-	●	○	●	-	-	-	●	●	●	-	-	-	-	●	●	●	-	-	●	●
EPS granules	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	-	-	-	-	●	●	-	-	-	-	●	-	-	-	-	-	-	●	-	-	-	-	●	-
Fire protection plaster, Others	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	○	○	●	○	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

A = Open/attic blowing | B = Dry injection | C = Dry injection with ventilation | D = Damp spraying/CSO | E = Cavity wall insulation | F = Fire protection plaster
 ● suitable/yes | ○ recommended with limitations | ○ not recommended/no/not specified

All values approximate. Please contact us for more details and information. **Special insulation blowing machines on request.**

Comparison of insulation blowing machines







Zellofant M95	Zellofant M95	Zellofant M95	Zellofant M95	Zellofant M95
M95-230V/3,7kW	M95-2x230V/5,1kW	M95-400V/5,5kW	M95-2x230V/6,6kW	M95-400V/7,3kW
				
7139	6906	6907	10919	6908
650kg/h	750kg/h	1080kg	980kg/h	1255kg/h
0,44m³ (0,3m³)	0,44m³ (0,3m³)	0,44m³ (0,3m³)	0,44m³ (0,3m³)	0,44m³ (0,3m³)
NW75 (3") (Standard) Erweiterung auf NW90 (3½") oder Direktreduzierung auf NW63 (2½"), NW50 (2") möglich				
880x1425mm	800x1425mm	800x1425mm	800x1425mm	800x1425mm
155kg	160kg	165kg	170kg	185kg
1425mm	1425mm	1425mm	1425mm	1425mm
●	●	●	●	●
Support for bags (optional) with dust reducing cover				
Cable remote control KFB2000 (standard)				
or radio remote control FFB2000/FFB2000-Pro				
2-level agitator with rotating shredder arms, replacable grid and rake unit				
HW95 optional	HW95 optional	HW95 optional	HW95 optional	HW95 optional
Sheet steel	Sheet steel	Sheet steel	Sheet steel	Sheet steel
14 levels, manual (optional)				
10 Stufen Kabelsteuerung KFB2000 / 19 Stufen Funkfernsteuerung FFB2000-Pro				
●	●	●	●	●
○	○	○	○	○
High-powered radial compressor	High-powered radial compressor	High-powered radial compressor	High-powered radial compressor	High-powered radial compressor
2x1,45kW	2x1,8kW	2x1,8kW	2x1,8kW + 1x1,45kW + 2x0,75kW	3x1,45kW
300mbar	375mbar	390mbar	420mbar	400mbar
External amplification optional e. g. X-Floc Amplifier/Vacuum station VS28/VS33, VS55M/VS75M				
320/250m³/h	390/370m³/h	390/370 m³/h	590/540m³/h	590/540m³/h
○	○	○	○	○
>45/>70m	>30/>70m	>30/>70m	>30/>75m	>30/>75m
80m	150m	150m	180m	180m
2x3-phase, 0,75kW	2x3-phase, 0,75kW	2x3-phase, 0,75kW	2x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW
3,7kW	5,1kW	5,5kW	6,6kW	7,3kW
230V/50Hz/16A	2x230V/50Hz/16A	400V/50Hz/3x16A/N/PE	2x230V/50Hz/16A	400V/50Hz/3x16A/N/PE
155kg/m³	165kg/m³	165kg/m³	165kg/m³	165kg/m³

A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	○	○	-	○	-	●	●	●	-	○	-	●	●	●	-	○	-	●	●	●	-	○	-	●	●	●	-	○	-
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
○	○	○	○	○	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	●	-
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

A = Open/attic blowing | B = Dry injection | C = Dry injection with ventilation | D = Damp spraying/CSO | E = Cavity wall insulation | F = Fire protection plaster
 ● suitable/yes | ○ recommended with limitations | - not recommended/no/not specified

All values approximate. Please contact us for more details and information. **Special insulation blowing machines on request.**

Comparison of insulation blowing machines







Model series	EM300	EM300	EM300	EM300	EM300	EM300
Machine type	EM320-2x230V/7,0kW	EM325-3x230V/10,2kW	EM340-400V/7,3kW	EM345-400V/10,5kW	EM360-400V/5,9kW	EM365-400V/9,2kW
						
		amplifier integrated		amplifier integrated		amplifier integrated
Article number	5760	6971	5770	7129	6007	6268
Power/Material processing speed	1050kg/h	1250kg/h	1200kg/h	1400kg/h	1200kg/h	1400kg/h
Hopper	0,315m³	0,315m³	0,315m³	0,315m³	0,315m³	0,315m³
Airlock outlet ø	NW75 (3") or NW90 (3½") optional direct reduction to NW75 (3")					
Dimensions (øxH)	990x830x1740mm	990x830x1740mm	990x830x1740mm	990x830x1740mm	990x830x1740mm	990x830x1740mm
Unladen weight	257kg	270kg	265kg	273kg	280kg	302kg
Filling height	1250mm	1250mm	1250mm	1250mm	1250mm	1250mm
Airlock ventilation	●	●	●	●	●	●
Dust removal/Support for bags	passive (strip curtain) / active (dust extraction)					
Machine control	Cable remote control KFB2000 or radio remote control FFB2000-Pro					
Material conditioning	Crusher shafts (3 rotating shafts) disengageable for processing of loose bulk material (e. g. EPS granules)					
Shredder	●	●	●	●	●	●
Airlock material	Sheet steel	Sheet steel	Sheet steel	Sheet steel	Sheet steel	Sheet steel
Airlock feed gate adjustable	Continuously variable manually / with electrically adjustable airlock feed gate (optional)					
Airlock rotational speed adjustable	10 levels cable remote control KFB2000 / 19 levels radio remote control FFB2000-Pro					
Automatic switch-off	●	●	●	●	●	●
Pressure relief valve	optional	optional	optional	optional	optional	optional
Air generator	3 High-powered radial compressors 2x1,8kW + 1x1,45kW	5 High-powered radial compressors 3x1,8kW + 2x1,45kW	3 High-powered radial compressors 2x1,8kW + 1x1,45kW	5 High-powered radial compressors 4x1,8kW + 1x1,45kW	Turbine 4,0kW	Turbine 4,0kW and 2 High-powered radial compressor 3,3kW
Max. dynamic pressure (adjustable)	360mbar	375mbar	405mbar	400mbar	400mbar	420mbar
Air feed amplification	External amplification optional e. g. X-Floc Amplifier/Vacuum station VS28/VS33, VS55M/VS75M					
Air volume (nominal/measured)	590/480m³/h	995/765m³/h	585/500m³/h	960/785m³/h	380/375m³/h	795/660m³/h
Aspiration with suction hood (cleaning/dust extraction)	●	●	●	●	●	●
Conveying height with/without amplifier	>45m	>70m	>45m	>70m	>45m	>70m
Hose length L=max.	150m	200m	180m	200m	180m	200m
Motor	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW
Power rating	7,0kW	10,2kW	7,3kW	10,5kW	5,9kW	9,2kW
Power supply	2x230V/50Hz/16A	3x230V/50Hz/16A	400V/50Hz/3x16A/N/PE	400V/50Hz/3x16A/N/PE and 1x230V/16A	400V/50Hz/3x16A/N/PE	400V/50Hz/3x16A/N/PE and 1x230V/16A
Max. material packing density	220kg/m³	220kg/m³	220kg/m³	220kg/m³	220kg/m³	220kg/m³

Compatibility table																															
Cellulose	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-
Wood fibre	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	○	○	-	○	-	●	●	●	-	○	-	●	●	●	-	●	-	●	●	●	-	○	-	●	●	●	-	●	-
Mineral fibre	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	○	○	○	○	○	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-
Mineral granules	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●
EPS granules	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	-	-	-	-	●	-	-	-	-	●	-	-	-	-	-	-	●	-	-	-	-	●	-	-	-	-	-	-	●	-
Fire protection plaster, Others	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

A = Open/attic blowing | B = Dry injection | C = Dry injection with ventilation | D = Damp spraying/CSO | E = Cavity wall insulation | F = Fire protection plaster
 ● suitable/yes | ○ recommended with limitations | - not recommended/no/not specified

All values approximate. Please contact us for more details and information. **Special insulation blowing machines on request.**

Comparison of insulation blowing machines

EM400	EM400	EM400	EM400	EM400	EM500
EM400-400V/7,5kW	EM430-400V/9,9kW	EM440-3x230V/10,0kW	EM440-400V/10,5kW	EM440-2x400V/11,4kW	EM500-400V/9,5kW
					
		amplifier integrated	amplifier integrated	amplifier integrated	
3316	5802	6253	4662	11047	4817
2210kg/h	2400kg/h	2250kg/h	2300kg/h	2450kg/h	1800kg/h
1,0m ³	1,0m ³	1,0m ³	1,0m ³	1,0m ³	0,4m ³ /Conveyor belt NW75 (3") or NW90 (3½")
NW90 (3½") optional direct reduction to NW75 (3")					
1300x1020x1800mm	1300x1020x1800mm	1300x1020x1800mm	1300x1020x1800mm	1300x1020x1800mm	1520x800x1300mm
410kg	417kg	460kg	424kg	424kg	390kg
1260mm	1260mm	1260mm	1260mm	1260mm	860mm
●	●	●	●	●	●
passive (strip curtain) / active (dust extraction)					passive (strip curtain)
Cable remote control KFB2000 (standard) or radio remote control FFB2000/FFB2000-Pro					
4 crusher shafts and 1 shredder unit with 2 shafts					3 horiz. conditioning shafts
●	●	●	●	●	●
Sheet steel	Sheet steel	Sheet steel	Sheet steel	Sheet steel	Stainless steel
10 levels (KFB2000/FFB2000) / 19 levels (FFB2000-Pro) / continuously variable manually					
10 levels cable remote control KFB2000 / 19 levels radio remote control FFB2000-Pro					
●	●	●	●	●	●
optional	optional	optional	optional	optional	optional
Turbine 5,5kW	Turbine 7,5kW	5 High-powered radial compressors 2x1,8kW + 3x1,45kW	Turbine 5,5kW and High-powered radial compressors 1x1,8kW + 1x1,45kW	Turbine 5,5kW and 2 High-powered radial compressors 1,8kW	Turbine 7,5kW
520mbar	680mbar	380 mbar	580mbar	480mbar	500mbar
External amplification optional e. g. X-Floc Amplifier/Vacuum station VS28/VS33, VS55M/VS75M					
450/410m ³ /h	490/420m ³ /h	975/850m ³ /h	800/650m ³ /h	850/710m ³ /h	490/450m ³ /h
●	●	●	●	●	●
>45m	>45m	>70m	>70m	>70m	>45m
150m	150m	180m	180m	180m	180m
1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	2x3-phase, 1,1kW
7,5kW	9,9kW	10,0kW	10,5kW	11,4kW	9,5kW
400V/50Hz/3x16A/N/PE	400V/50Hz/3x16A/N/PE	3x230V/50Hz/16A	400V/50Hz/3x16A and 1x230V~/16A	2x400V/50Hz/16A	400V/50Hz/3x16A/N/PE
200kg/m ³	200kg/m ³	200kg/m ³	200kg/m ³	200kg/m ³	175kg/m ³

A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	●	●	-	●	-	●	●	●	-	●	-	●	●	●	-	○	-	●	●	●	-	○	-	●	●	●	-	○	-
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	○	-
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	-	-	-	-	○	●
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	-	
A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-

A = Open/attic blowing | B = Dry injection | C = Dry injection with ventilation | D = Damp spraying/CSO | E = Cavity wall insulation | F = Fire protection plaster
 ● suitable/yes | ○ recommended with limitations | ○ not recommended/no/not specified

All values approximate. Please contact us for more details and information. **Special insulation blowing machines on request.**

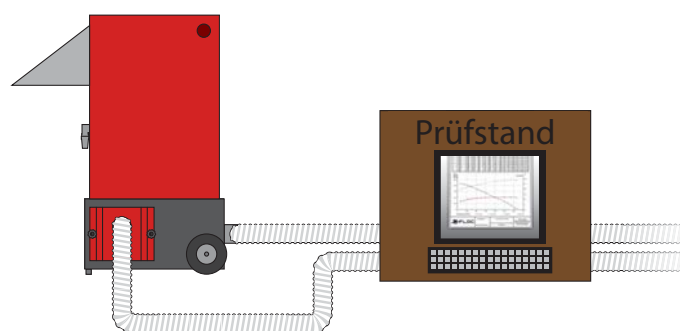
Characteristic curves of common insulation blowing machines

For quality assurance of the insulation blowing machines manufactured by X-Floc Dämmtechnik-Maschinen GmbH, the performance values of the entire system (air generator with hose guide, non-return flaps and rotary valve) are recorded and logged. A characteristic curve test bench specially developed for this measurement is used for this purpose. Faults in the overall system can thus be reliably detected and eliminated. The measurement is part of the acceptance test and guarantees the full performance of the installed elements in interaction.

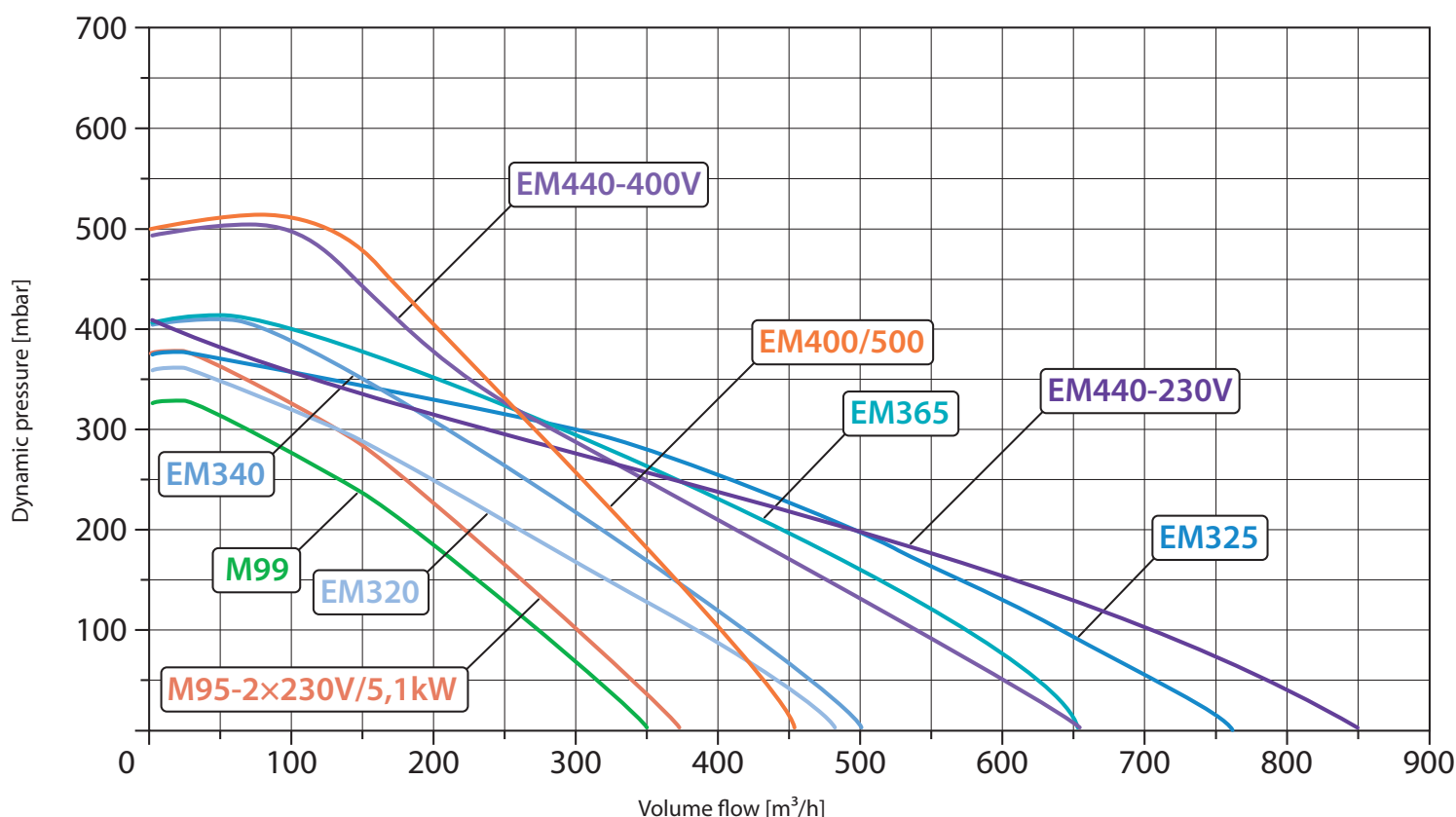
In this way, X-Floc differs from the majority of manufacturers who limit themselves to stating the summed nominal values of the air generators for their products. However, these often deviate from the actual performance values.

The air performance curves determined with the aid of the characteristic test bench also allow a more detailed assessment and evaluation of the machine performance. Various boundary conditions (e.g. the insulation material used, the nature of the compartment, etc.) ensure different back pressures in each application. If this is not taken into account in the measurement, the maximum values for dynamic pressure and air volume (= volume flow) have little significance for the performance assessment.

Experience shows that the most commonly used „working pressure“ is between 80mbar and 200mbar. The graphically displayed characteristic curves of the respective injection machines therefore allow an effective comparison of the performance values at all real operating points in use.



Example of characteristic curves



Insulation blowing machine EM100

The robust compact blow-in machine is excellently suited for processing cellulose and glass wool as well as for free-flowing insulation materials, bulk materials and other materials approved by the building authorities.

The EM100 has a powerful blower with a long service life and a material conditioning unit with two horizontal shafts that ensures good loosening of the insulation material. For this reason, the machine is particularly suitable for the application areas of open/attic blowing, dry injection and damp spraying.

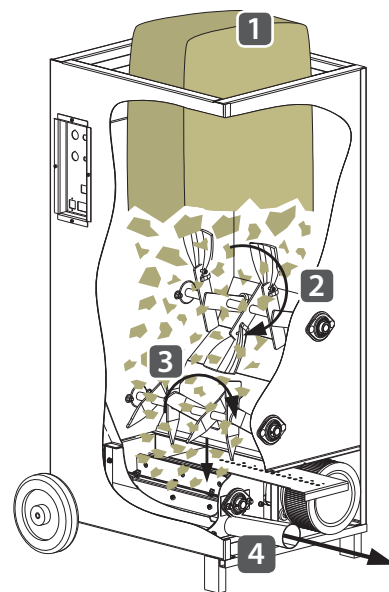
The compact dimensions and low weight ensure high mobility. The EM100 is equipped with a 230V connection. The standard scope of delivery includes a cable control, optionally the machine is also available with radio remote control.

Thanks to easy handling and setting options via a clearly structured control panel with voltage control display, the EM100 is equally suitable for the blow-in specialist as well as for DIY application.

► For further information, see product data sheet **EM100**

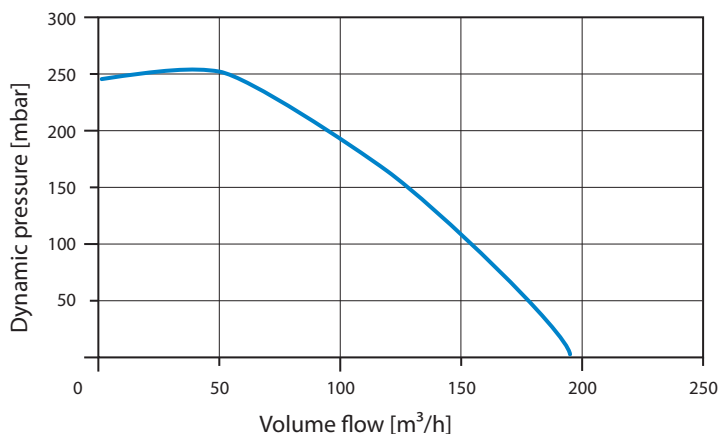


Operating principle



- 1 The insulation bales are opened and fed to the machine roughly separated by the bars on the upper hopper.
- 2 The material further broken up by the agitator shaft with disturbing lobes falls into the lower hopper area..
- 3 The rotating agitator shaft loosens the material ready for blowing before it falls into the rotating airlock.
- 4 At the lower airlock point, the insulation material is blown out of the airlock chamber by the air flow of the supply air unit and into the conveyor hose via the outlet nozzle.

Example of characteristic curves



X-Floc Insulation blowing machines

Insulation blowing machine Minifant M99

The Minifant M99 series are compact blow-in machines for processing loose insulation materials or free-flowing bulk materials approved by the building authorities. Cellulose, wood fibre, glass and rock wool, perlite, EPS granulate, straw and many more: The Minifant M99 is a real all-rounder in all versions.

Robust compact design and low dead weight ensure high mobility - thanks to the two transport wheels, even on any standard construction site surface.

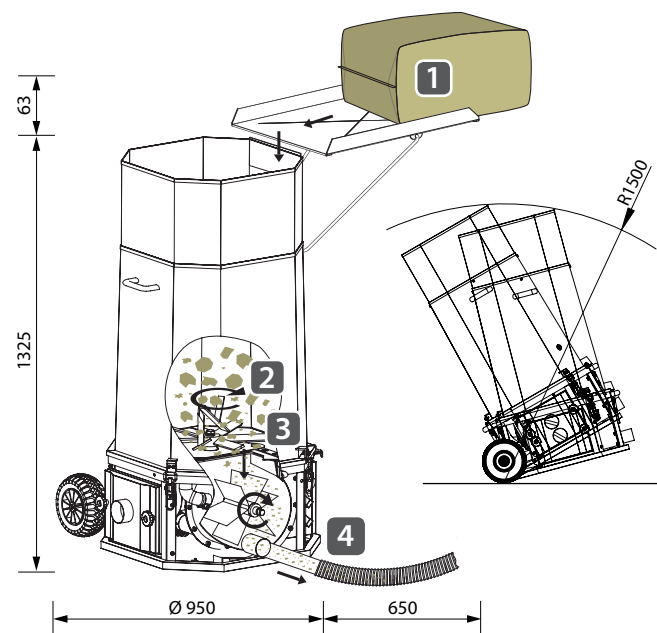
All machines are equipped with a 3-channel radio remote control as standard, so that settings such as air and material quantity can be made directly at the injection point. The Minifant M99 has a 230V connection as standard. The M99-DS and M99-DS-Pro versions can also be operated internationally with 220-240V.

Versatility and an excellent price-performance ratio are the reasons why a large number of X-Floc customers worldwide swear by these little all-rounders.

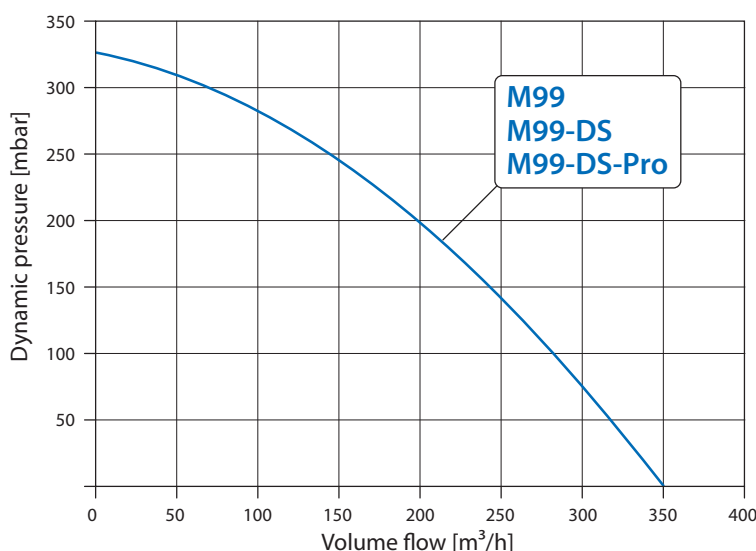
► For more information, see product brochure **Minifant M99**



Operating principle



Example of characteristic curves



- 1 The insulation bales are placed on the support for the bags (optional), opened and fed to the hopper.
- 2 The material conditioning unit breaks up the compacted material and feeds it to the rotary airlock.
- 3 The adjustable airlock feed gate finely adjusts the material feed according to the application.
- 4 The air flow moves the material from the airlock chambers (6 or 8) into the outlet nozzle. The insulation material is accelerated in the conveyor line connected to the outlet nozzle and blown into the component.

Insulation blowing machine Zellofant M95

Proven technology in the smallest space: In Europe, the Zellofant M95 is symbolic of blow-in technology. For more than 25 years, the powerful machines of this series have been used to process thermal insulation materials approved by the building authorities, such as cellulose, wood fibre, mineral fibre and granulates, as well as other materials. Thanks to its compact design, the Zellofant M95 is ideally suited for mobile construction site use.

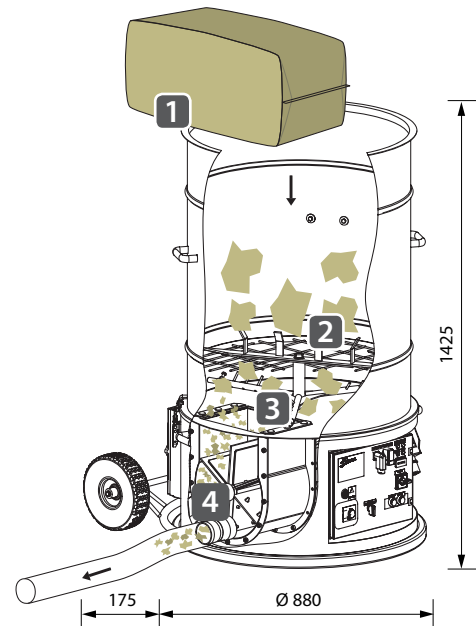
The three-stage material conditioning unit can easily break up and finely break down highly compressed processing material. The material feed rate can be adjusted via the speed of the airlock rotor. A manual airlock feed gate is also available as an option. Two (or three for machine type 6,6kW and 7,3kW) high-performance centrifugal fans effortlessly generate the required air power.

The cable or radio remote control enables all important settings to be made directly at the injection point and the machine to be controlled precisely. Depending on the type, the machines of the M95 series are equipped with 230V or 400V electrical connection.

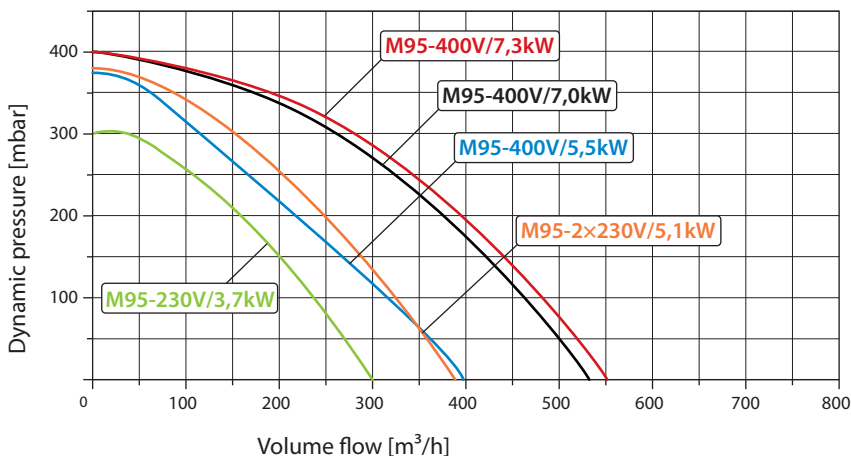
► For more information see product brochure **Zellofant M95**



Operating principle



Example of characteristic curves



- 1 The insulation bales are placed on the support for the bags (optional), opened and fed to the hopper.
- 2 The shredding arm breaks the material into small pieces, which fall through the replacement grid into the rake unit. There the material is broken up ready for blowing.
- 3 The manual airlock feed gate (optional) enables precise metering of the material feed rate.
- 4 The rotor transports the material into the lower part of the airlock. The air flow of the high-powered radial compressors accelerates the material and transports it through the outlet nozzle into the conveyor line.

X-Floc Insulation blowing machines

Insulation blowing machine EM300

The compact high-performance blow-in machines of the EM300 series are ideal for processing thermal insulation materials approved by the building authorities, such as cellulose, wood fibre, mineral fibre, granulates and other materials. All blow-in methods are possible with the EM300 machine types.

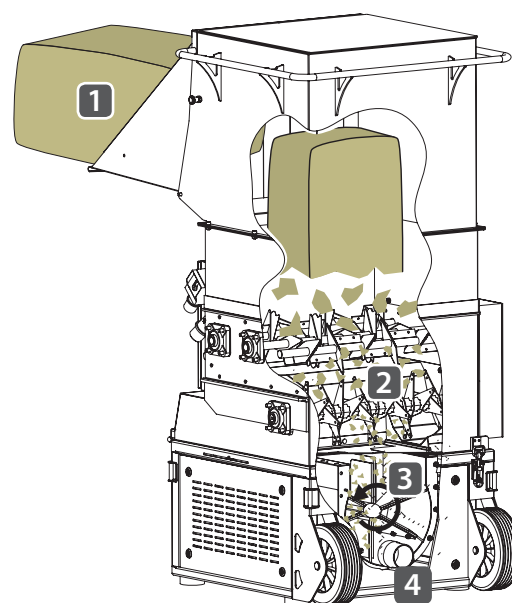
The two-stage material conditioning unit with three shafts and an additional shredder shaft is able to easily break up and finely break down highly compressed processing materials. The material feed rate can be adjusted via the position of the airlock feed gate and the speed of the airlock rotor. The high-performance centrifugal fans effortlessly generate the required air power and can be excellently used for suction purposes at the same time. Thanks to the suction options, low-dust filling is ensured.

The precise machine control and the choice of settings are made by cable or radio remote control directly at the injection point. Depending on the type, the machine is equipped with 230V and/or 400V electrical connection

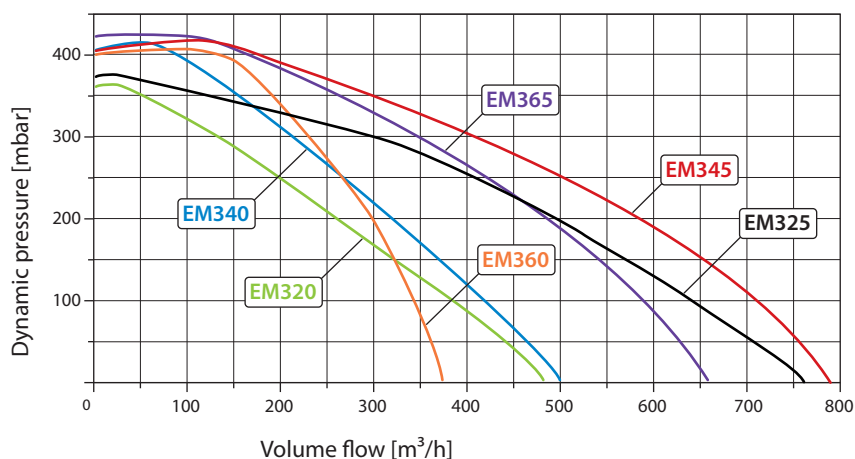
► For more information, see product brochure **EM300**



Operating principle



Example of characteristic curves



- 1 The insulation bales are placed on the bag support, opened and pushed through the strip curtain into the filling hopper.
- 2 The material conditioning unit breaks the material into smaller pieces and ensures further transport to the airlock inlet.
- 3 The airlock feed gate (adjustable manually or via radio remote control) enables the material feed to be metered.
- 4 The rotor transports the material into the lower part of the airlock. The air flow of the blower accelerates the material and transports it through the outlet nozzle into the conveyor line.

Insulation blowing machine EM400

The high-performance blow-in machines of the EM400 series are optimally suited for the professional processing of thermal insulation materials approved by building authorities, such as cellulose, wood fibre, rock wool and many more.

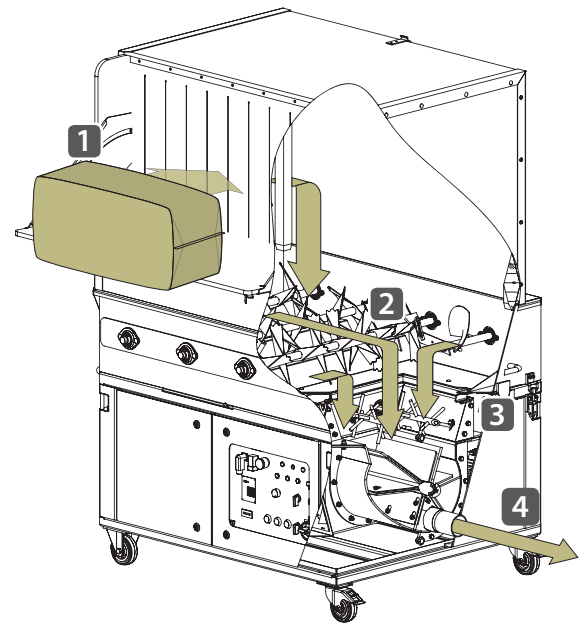
The two-stage material conditioning unit, consisting of four rotating shredding shafts and a chipping unit, is able to easily break up and finely break down highly compressed processing materials. The material feed rate can be conveniently selected in approx. 20 stages by positioning the electric airlock feed gate via the cable or radio remote control (optional). A 5-stage, specially developed high-performance turbine and/or several high-powered radial compressors effortlessly generate the required air power. All important machine settings for the blowing process can be selected directly from the injection point by cable or radio remote control.

With the exception of the EM400-3x230V, the machines in this series are equipped with a 400V electrical connection.

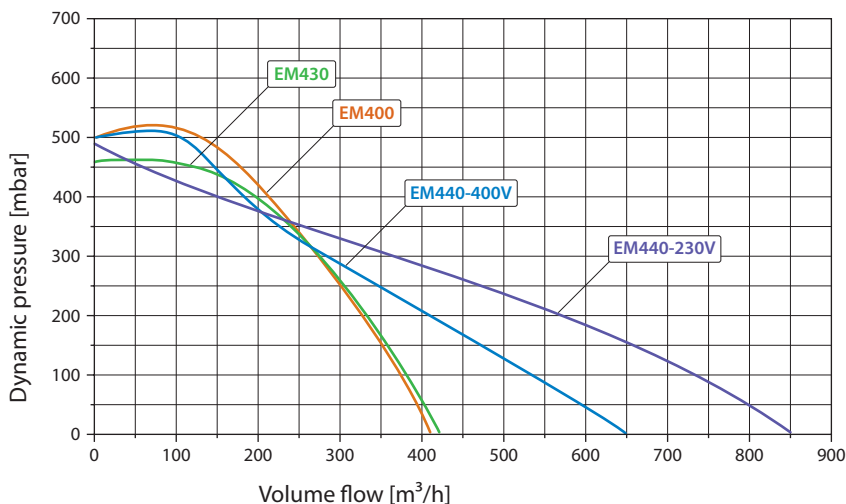
► For more information, see product brochure **EM400**



Operating principle



Example of characteristic curves



- 1 The insulation bales are placed on the bag support, opened and pushed through the strip curtain into the filling hopper.
- 2 Four rotating shredding shafts break the material into smaller pieces and transport it to the airlock inlet.
- 3 The electric airlock feed gate meters the amount of material into the shredding unit, which ensures that the fibres are finely broken up.
- 4 The rotor transports the material into the lower part of the airlock. The air flow of the high-performance turbine accelerates the material and transports it through the outlet nozzle into the conveyor line.

X-Floc Insulation blowing machines

Insulation blowing machine EM500

The high-performance blow-in machine is optimally suited for the professional processing of thermal insulation materials approved by the building authorities, such as cellulose, wood fibre, granulate and many more. It is optimised for stationary workshop use and mobile construction site use and is characterised by a very high throughput.

Unlike conventional blow-in machines, the material is fed in at table height and transported to the 3-stage material conditioning unit by a conveyor belt. This material conditioning unit, consisting of a chopping shaft and two shredding shafts, is able to easily break up and finely break down highly compressed processing materials.

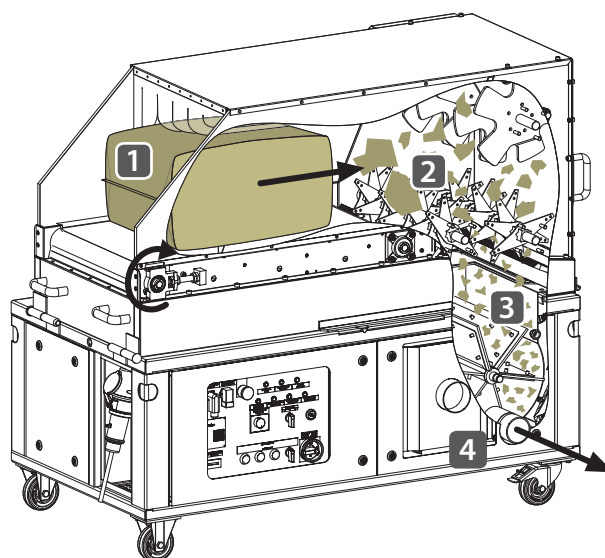
The material feed rate can be adjusted via the position of the electric airlock feed gate. A high-performance turbine effortlessly generates the required air power.

All important machine settings can be selected directly from the injection point by cable or radio remote control. The machine is equipped with a 400V/3x16A electrical connection.

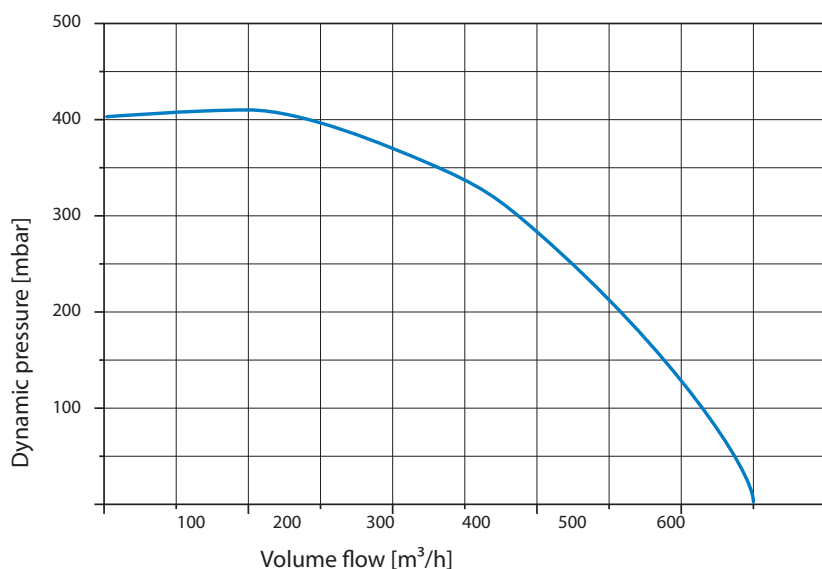
► For further information, see product data sheet **EM500**



Operating principle



Example of characteristic curves



- 1 The insulation bales are conveyed via the conveyor belt into the hopper.
- 2 With the help of rotating agitator shafts the bale is broken up into small pieces and any lumps are broken up.
- 3 The material falls through the airlock feed gate opening into the rotary airlock. The feed gate can be used to reduce the degree to which the chambers are filled - a particular advantage for easy-flowing bulk materials.
- 4 By rotating the airlock rotor and with the help of the air flow, the material is conveyed and blown out of the rotary airlock through the outlet nozzle.

Radio remote control FFB2000-Pro

Bidirectional radio communication with FM technology: For the Minifant M99-DS-Pro, the digital radio remote control FFB2000-Pro **art. no. 5154** is included in the scope of delivery. It is optionally available for all machine types of the Zellofant M95, EM300 and EM400 series as well as for the EM500 blow-in machine.

The FFB2000-Pro is characterised by high transmission reliability and individual setting options. From the EM300 series onwards, material quantity metering is also possible either via the setting of the airlock rotor speed or the electric airlock feed gate.

► For further information, see product data sheet **FFB2000-Pro**

Technical data

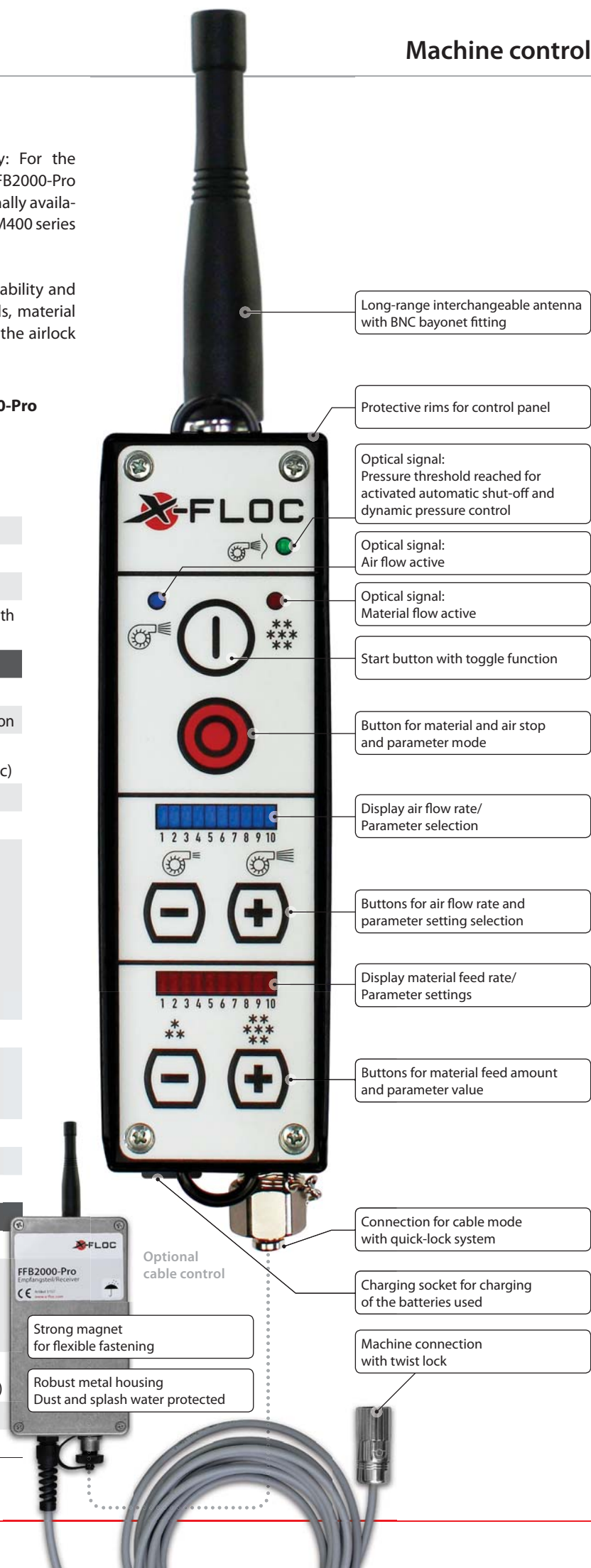
Transmission frequency	434MHz
Operating temperature range	-20°C to +40°C
Voltage supply	24V DC
Radio channels	4 (for construction sites with sources of interference)

Hand control unit

Duration of use	up to 30h
Range	>100m without interruption
Overpressure signal	LED (optical) Warning tone (acoustic)
Function buttons	6 (foil keypad)
Parameter levels	10
Adjustable parameters:	
Radio channels	1-4
Switch-on delay material	0, 1, 2, ...9s
Switch-off delay air	0, 1, 2, ...9s
Delay time:	
Automatic switch-off	0, 1, 2, ...9s
Response time:	
Dynamic pressure control	50, 100, ...500ms
Protection class	IP40
Connections	Cable control Charging socket Antenna
Power supply	3x AAA NiMH 800mAh
Weight	approx. 400g
Dimensions	approx. 47x154x47mm

Receiver

Protection class	IP40
Connections	Control line to the machine Cable control Antenna
Power supply	24V DC (from blow-in machine)
Weight	approx. 765g
Dimensions	approx. 83x151x50mm



Insulation blowing machines with amplifier

Amplifier/Vacuum stations

Some insulation materials require a particularly high air volume for professional injection. Occasionally, certain installation situations require the overcoming of large rise heights or the use of long delivery lines. In the meantime, loose insulation materials also have to be removed from time to time.







With appropriate technology from X-Floc, the existing insulation blowing machine can also be supplemented for reinforcement or used for suction. The X-Floc amplifier/vacuum stations range from mobile amplifiers for construction site use (VS28, VS33, VS55M, VS75M) to special designs (VS40) as well as stationary solutions suitable for factory filling (VS55).

All X-Floc amplifier/vacuum stations feature complete separation of working and cooling air. They can all significantly increase the performance of blow-in machines and/or, in combination with suitable accessories, extract small and large quantities of solids in a short time. The suction function is suitable for a wide range of materials. Thanks to the cover with bayonet lock, the air filter fleece can be easily replaced.

- For more information, see product brochure **Amplifier/Vacuum stations**

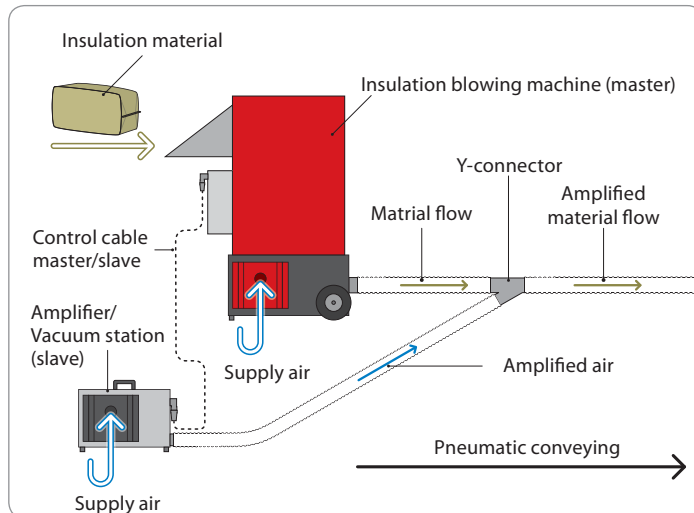


Comparison of amplifier/vacuum stations

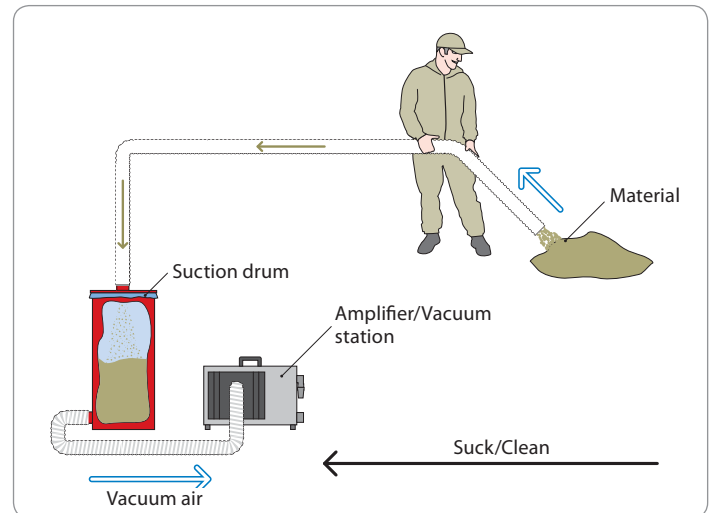
Amplifier/Vacuum station						
Type	VS28	VS33	VS55M	VS75M	VS40	VS55
						
Article number	2711	5855	9455	9793	8336	6348
Amplify/Clean	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●
Active dust removal	●	●	●	●	●	●
Stepless power regulation	●	●	●	●	●	●
Synchronisation with machine	●	●	●	●	●	●
Remote control	●	●	●	●	●	●
Power	2,8kW	3,3kW	5,5kW	7,5kW	4,0kW	5,5kW
Max. overpressure	330mbar	370mbar	500mbar	600mbar	430mbar	550mbar
Max. negative pressure	300mbar	340mbar	450mbar	550mbar	380mbar	500mbar
Max. air volume (nominal / measured)	440 / 360m³/h	620 / 580m³/h	470m³/h*	390m³/h*	430 / 390m³/h	390 / 350m³/h
Air feed unit	High-powered radial compressor	High-powered radial compressor	5-stage turbine	5-stage turbine	5-stage turbine	5-stage turbine
Outlet nozzle	NW63 (2½")	NW63 (2½")	NW63 (2½")	NW63 (2½")	NW63 (2½")	NW63 (2½")
Intake socket	NW75 (3")	NW75 (3")	NW90 (3½")	NW90 (3½")	NW75 (3")	NW75 (3")
Operating hours counter	○	●	-	-	○	○
Dimensions (LxWxH)	482x358x418mm	482x358x418mm	605x560x750mm	605x560x750mm	600x650x600mm	785x700x580mm
Weight	approx. 19,5kg	approx. 19,8kg	approx. 65kg	approx. 88kg	approx. 60kg	approx. 100kg

* Freeblowing ● Included as standard ○ Optionally available

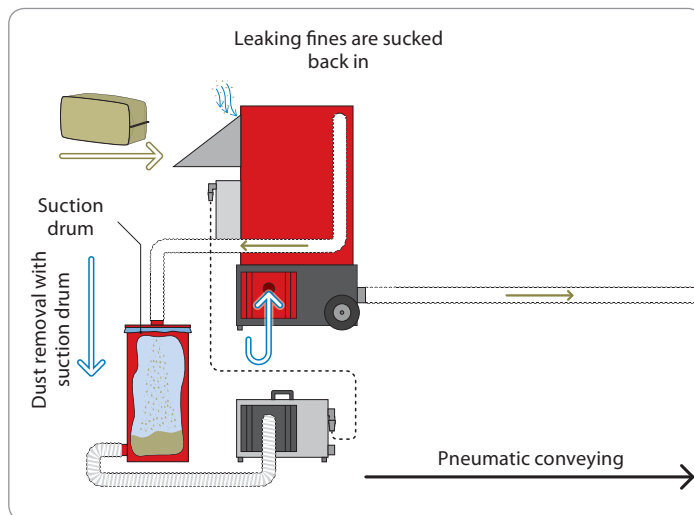
Amplified blowing injection



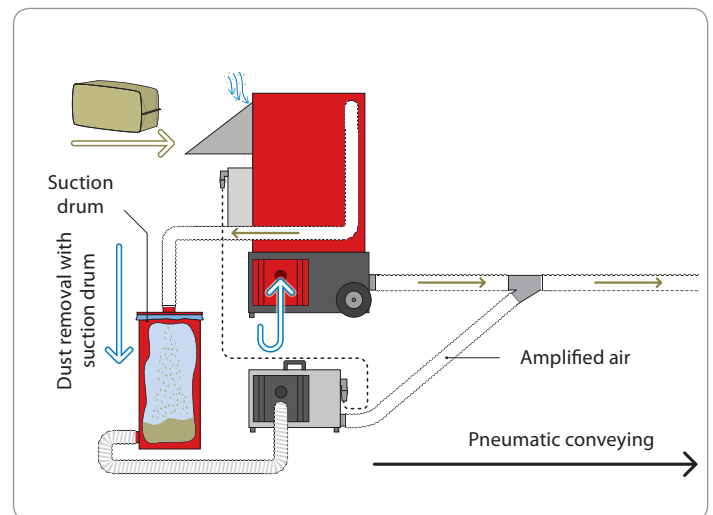
Amplifier aspiration function



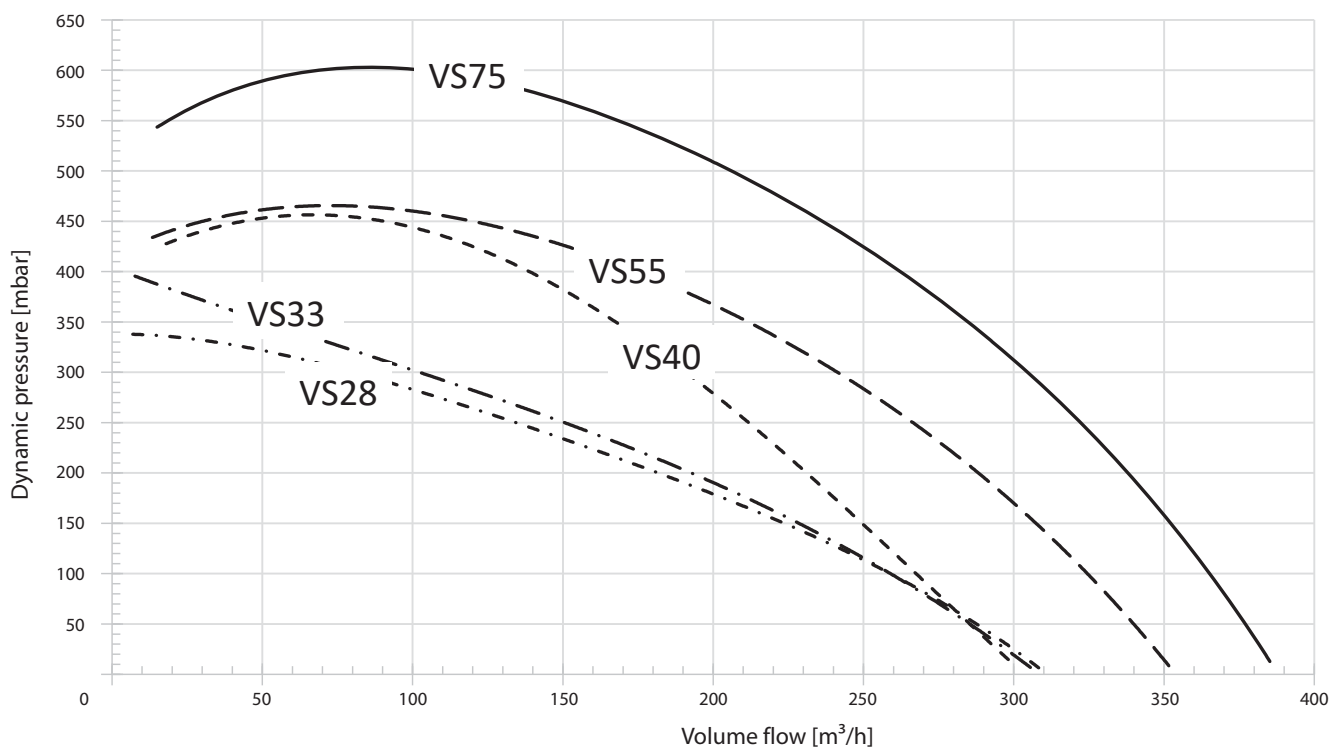
Dust removal



Amplified blowing injection with dust removal



Example of characteristic curves



Insulation blowing machines in industrial filling technology

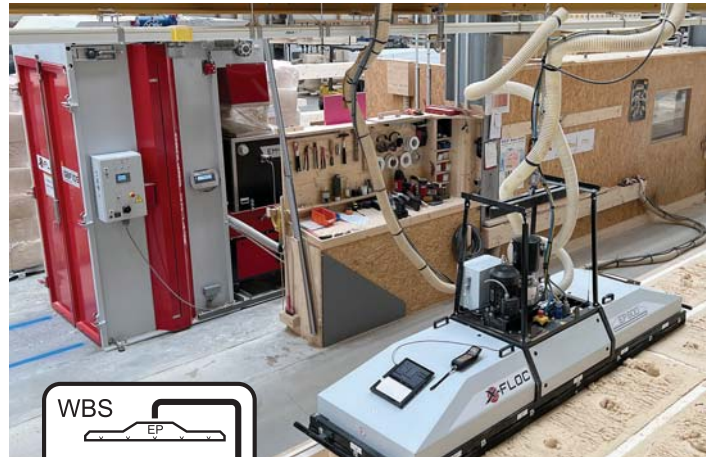
Factory filling

Factory filling of elements not only offers manufacturers of timber frame elements and prefabricated/ eco-houses great advantages in terms of cost-effectiveness and consistently high quality. Increasingly, carpentry companies are also opting for the use of loose insulation materials and industrial filling technology.

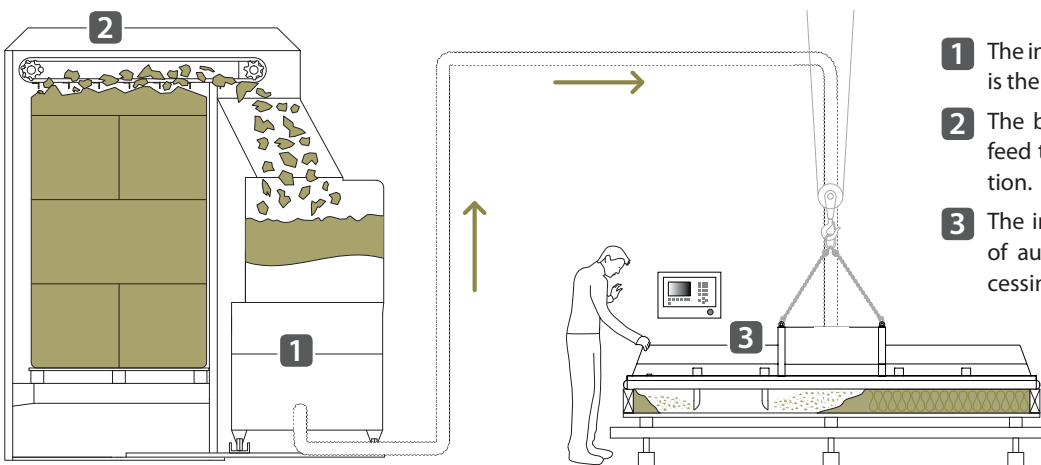
Factory filling systems are modular in design. The insulation blowing machine (e.g. EM430) is the central element. It can already be used for manual filling processes e.g. with injection lances, hoses or nozzles. Extended by a bale conditioning machine, the system allows the use of big bales and with an injection panel the factory filling procedure is automated.

X-Floc factory filling systems, which are individually adapted to the customer's requirements, are already being used successfully in many small companies as well as in fully automated production lines.

► For further information, see product brochure **Factory filling**



Modular system design



- 1 The insulation blowing machine (e.g. EM430) is the heart of the factory filling system.
- 2 The bale conditioning machine is used to feed the machine almost without interruption.
- 3 The injection panel ensures a high degree of automation and consistently high processing quality.

The factory filling systems are designed so that different insulation materials (see: Blow-in insulation material product groups) can be used. Typical product classes such as wood fibre, cellulose, glass wool and rock wool have already been extensively tested.



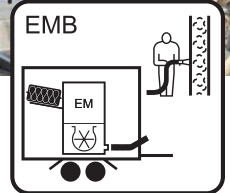
Insulation blowing mobiles

X-Floc insulation blowing mobiles are fully equipped trailers, transport vehicles and containers for all blow-in technicians. Your blow-in machine is optimally placed on the trailer or vehicle. For this purpose, a system plan with hosing and electrical installation is worked out. In addition, a safe stowage solution is prepared for each piece of equipment.

Highly customisable

Customised trailers, vehicle superstructures or removal of a motor vehicle: We realise blow-in mobiles according to the customer's wishes.

► For further information, see brochure **Insulation blowing mobiles**



Tarpaulin trailer

Tarpaulin trailers in freely selectable dimensions offer space for the ergonomic arrangement of the workplace, a variety of configuration options as well as additional space for further material. They are also suitable for long distances and, due to their low overall weight, for smaller towing vehicles. The large exterior surfaces can be printed with individual customer advertising.

Box trailer

Single-axe box trailers and tandem trailers are also well suited for small towing vehicles, are approved for speeds of 100 km/h and are suitable for short and long distances. These trailers also offer increased theft protection and large exterior surfaces for individual advertising. As standard, all box trailers are available with a two-wing rear door or drive-on flap.



Container

Made of rustproof aluminium, weather-resistant wood and whatever the shape: X-Floc realises system workplaces in containers – tailor-made and well thought-out down to the last detail – very suitable for the blow-in professional as well as for the rental service. On request, the containers are available with compressed air supply and power generator as well as a solution for flatbed vehicles/trailers.

Equipment and accessories

Machine accessories

X-Floc blow-in machines, amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable control, power generators as well as bag supports, suction drums and other machine accessories can be found in the

► Product brochure **Machine accessories**



Nozzles and blowing accessories

For each insulation blowing principle and each application, tools and/or accessories are necessary for insertion, sealing and venting. Detailed information about these accessories and everything about tools such as injection nozzles, injection needles/lances as well as hole saws and sealing parts can be found in the

► Product brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connectors are an essential part of the blow-in equipment because they can be used to create all conceivable transport lines and circuits. Detailed information on conveying and injection hoses as well as hose connectors, hose clamps, Y-pieces and fibre switches can be found in the

► Product brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation manufacturers and material testing institutes, and many more. You can find detailed information in the

► Product brochure **Measurement devices**



Damp spraying

In the damp spray process, thermal insulation material is moistened with water after exiting the hose. Detailed information on spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scrubber for smooth surfaces can be found in the

► Product brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the blow-in professional from contact with skin-irritating insulation materials. Detailed information on the X-Floc range of workwear, dust masks, professional respirators with legal approval as well as air filters, rechargeable batteries and other accessories can be found in the

► Product brochure **Industrial safety and respiratory protection**



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Your X-Floc representative

Machine Accessories



Radio Remote Control FFB2000-Pro

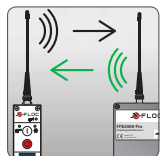
The machine type M99-DS-Pro and M99-DS-Pro 8K is supplied as standard with a specially developed radio remote control FFB2000-Pro. All important settings and functions can be comfortably controlled from the operator's workplace. The air power and the material flow volume can be adjusted in 19 levels during operation or in standstill.



In case of a radio interference, the operation can be established by connecting the hand-held transmitter and the receiver with a supplied connection cable.

Together with the insulation blowing machine's integrated pressure detection unit, special functions such as the „Dynamic Pressure Control“ and „Automatic Shutdown“ can be used.

Note: The machine is backward compatible with the control FFB2000 and KFB2000 with some function restrictions.



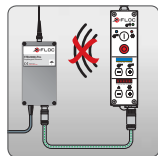
Bidirectional digital wireless technology



Four radio channels for construction sites with interference sources



In case of overpressure acoustic warning signal



Cable control possible

Dynamic Pressure Control

The dynamic pressure control function limits the maximum injection pressure to a pre-set value. For this purpose, the pressure threshold has to be set to the desired maximum allowable pressure on the machine. In injection mode, the pressure is now reliably limited when the set threshold value will be reached. The control mechanism can be activated by means of a key combination on the hand-held control of the cable or radio remote control and is indicated by a flashing of the current air flow setting.

Typical applications:

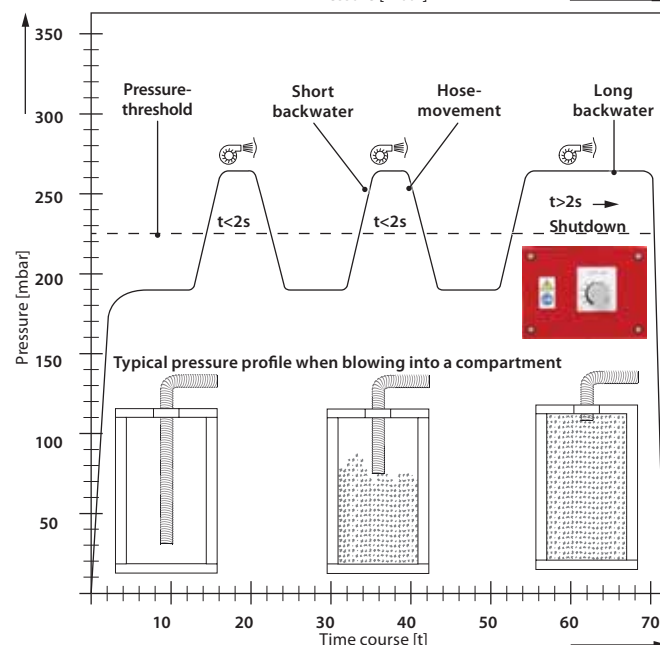
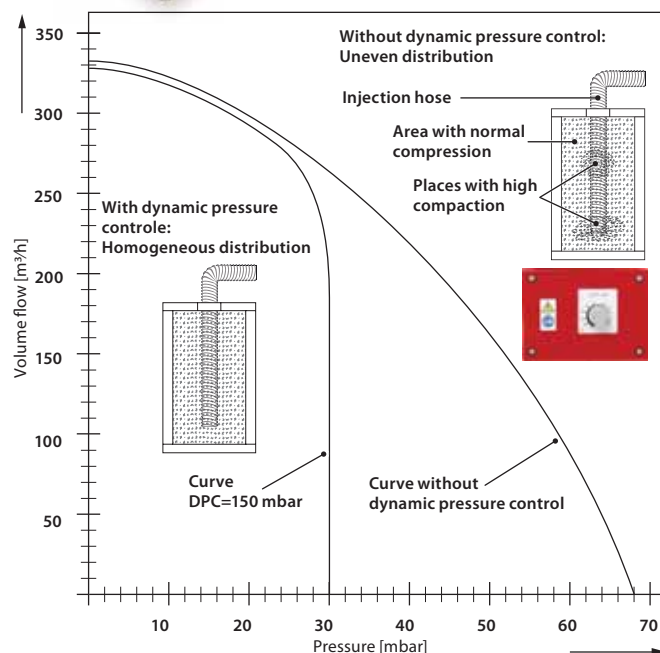
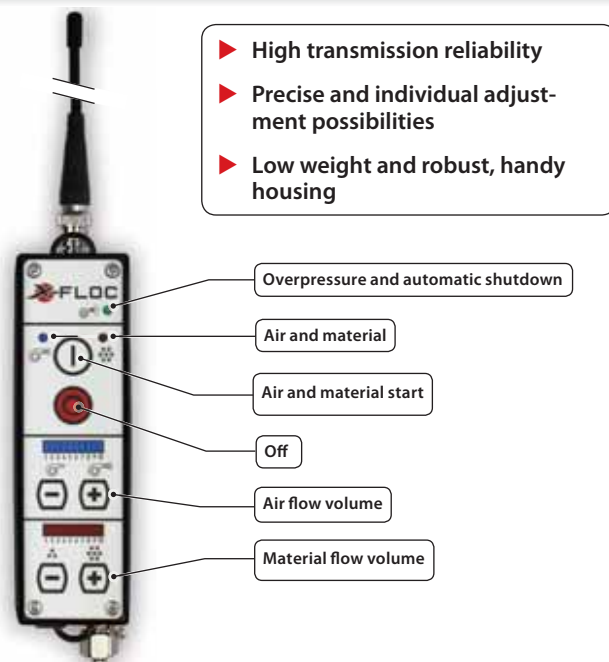
- ▶ Injection of air-tight elements with the risk of damage to the planing materials
- ▶ Reduction of the bulging of thin planking materials
- ▶ Avoiding local areas with high density when blowing roof elements

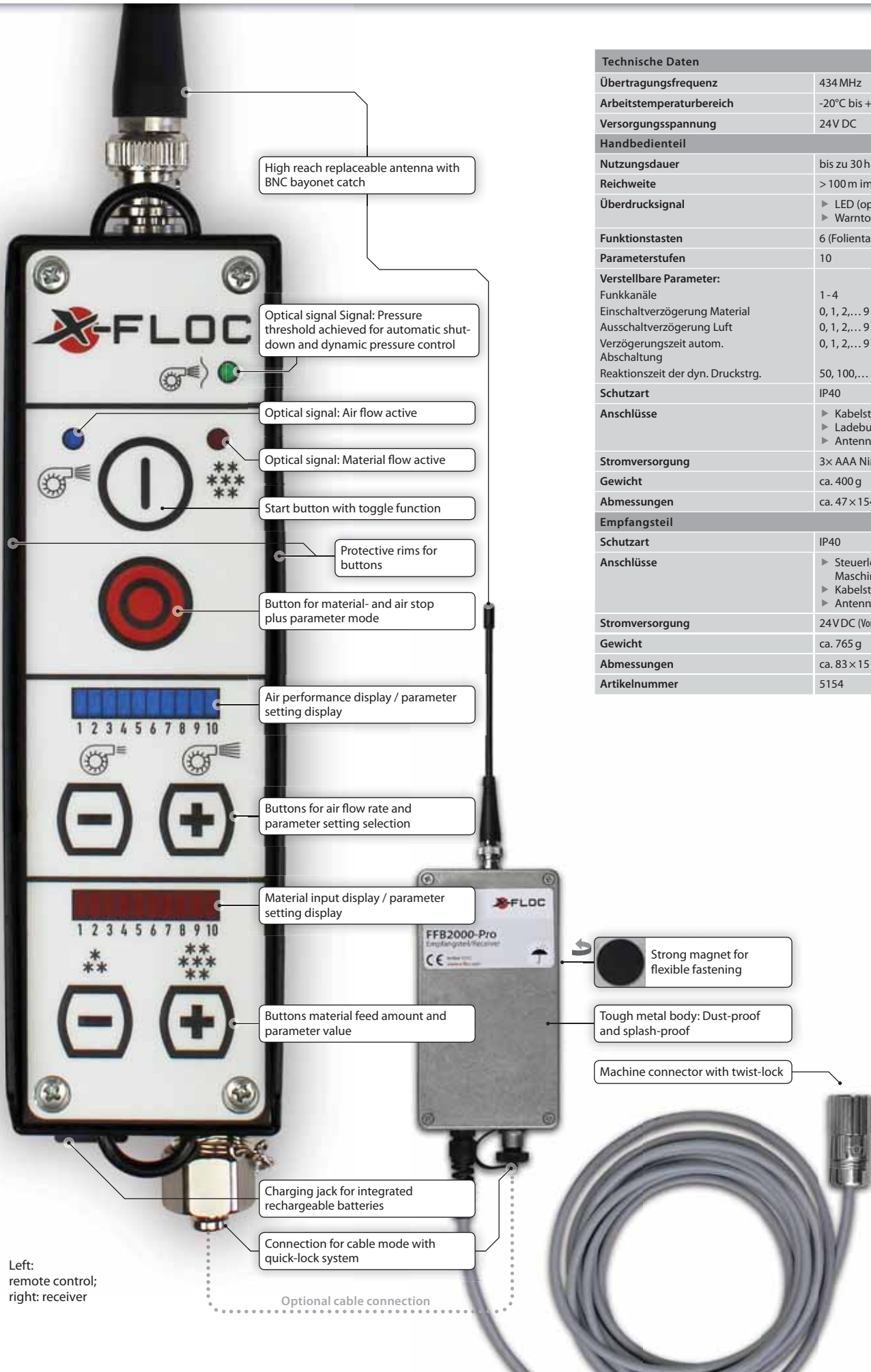
Automatic Shutdown

The function of the automatic shutdown enables an automatic switch off of the machine when a selected pressure threshold value is reached. For this purpose, the setting of the pressure threshold value has to be set to the desired value on the machine and the function has to be activated on the hand-held control. The machine will switch off automatically if the pressure threshold value will be reached (response time can be set with parameters) without additional user intervention.

Typical Applications:

- ▶ Assistance while injecting with automated shutdown if the threshold value is exceeded
- ▶ Achieve reproducible injection processes by pressure-based shutdown procedures
- ▶ Independent shutdown when filling insulation materials





Technische Daten	
Übertragungsfrequenz	434 MHz
Arbeitstemperaturbereich	-20°C bis +40°C
Versorgungsspannung	24V DC
Handbedienteil	
Nutzungsdauer	bis zu 30 h
Reichweite	> 100 m im freien Feld
Überdrucksignal	<ul style="list-style-type: none"> ▶ LED (optisch) ▶ Warnton (akustisch)
Funktionstasten	6 (Folientastatur)
Parameterstufen	10
Verstellbare Parameter:	
Funkkanäle	1 - 4
Einschaltverzögerung Material	0, 1, 2,... 9 s
Ausschaltverzögerung Luft	0, 1, 2,... 9 s
Verzögerungszeit autom. Abschaltung	0, 1, 2,... 9 s
Reaktionszeit der dyn. Druckstrg.	50, 100,... 500 ms
Schutzart	IP40
Anschlüsse	<ul style="list-style-type: none"> ▶ Kabelsteuerung ▶ Ladebuchse ▶ Antenne
Stromversorgung	3× AAA NiMH 800 mAh
Gewicht	ca. 400 g
Abmessungen	ca. 47 × 154 × 47 mm
Empfangsteil	
Schutzart	IP40
Anschlüsse	<ul style="list-style-type: none"> ▶ Steuerleitung zur Maschine ▶ Kabelsteuerung ▶ Antenne
Stromversorgung	24V DC (Von Einblasmaschine)
Gewicht	ca. 765 g
Abmessungen	ca. 83 × 151 × 50 mm
Artikelnummer	5154

Left:
remote control;
right: receiver

Controls

Radio Remote Control FFB5000

The machine type M99-DS is supplied as standard with a specially developed radio remote control FFB500.

The radio contact takes place with a secure, bidirectional communication between hand-held transmitter and receiver. Several frequency channels are available. The transmission and receive power will increase automatically at longer distances.

If the range will be exceeded or in case of radio contact loss, the machine will be switched off automatically. The robust hand-held transmitter can be easily secured by a loop for wrist strap. The control elements can be locked against unintentional activation.

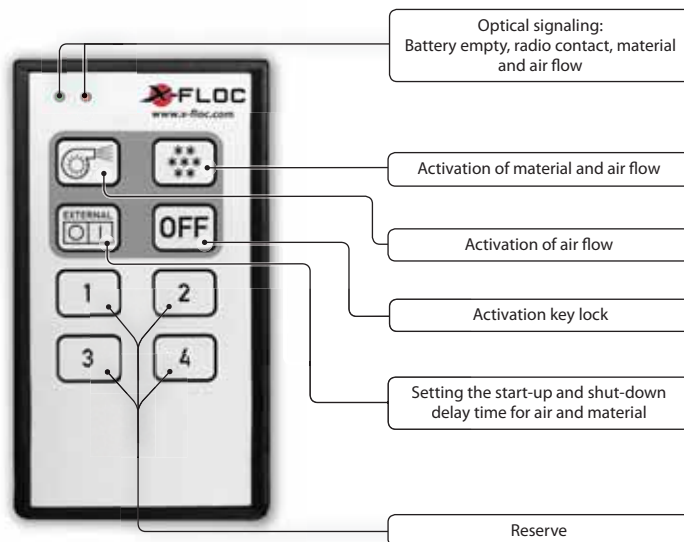
The most important commands can be transmitted to the insulation blowing machine with the hand-held transmitter:

- ▶ Air start
- ▶ Material start
- ▶ Combined start of air and material with adjustable time delay
- ▶ Stop

Note:

The radio remote control is compatible with many third-party products. The control can be used after adjustment of the connection with machines of e.g. Krendl, Thermoblow, SHS, Isoblow, etc.

- ▶ Low weight and robust, handy housing
- ▶ Bidirectional wireless technology
- ▶ Multiple frequency channels
- ▶ Range monitoring with safety shutdown in case of overrun
- ▶ Automatic range increase, combined with increased power consumption if required



Cable Controls

Type	Included in delivery	Options	Compatibility	Prod..
KFB3	Hand control with toggle switch	Extension control cable (Prod.No. 1882)	EMX90, EM100, M99, other machines	3821
KFB3 - 8p	Hand control with toggle switch	Extension control cable (Prod.No. 2015, 2166, 1987)	EMX90, EM100, M99, other machines	7851
KFB30	Hand control with toggle switch	Extension control cable (Prod.No. 1882)	EMX90, EM100, M99, other machines	2459
KFB30 - 8p	Hand control with toggle switch	Extension control cable (Prod.No. 2015, 2166, 1987)	EMX90, EM100, M99, other machines	7852
KFB2000	Cable control	-	M99-DS-Pro, M95, EM300, EM400, Turbofant M05, EM500	1497
3-channel M05	Hand control	-	other machines	4469
Master-Slave	Control side connection with 4-pin plug (on/off e.g. damp spraying pump)	-	M99, M95, Turbofant M05	1057
Attachment devices adapter EM100	For switching attachment devices, synchron to air performance	-	EM100	5436



Accessories

Type	Length	Prod.
FFB2000-Pro connection cable	50 m	5280
KFB30 extensionconnection cable	50 m on cable drum	1882
KFB2000 control cable	25 m 50 m 50 m on cable drum	2015 2166 1987



- ▶ Impressive with big viewing glass
- ▶ House advertising possible as label
- ▶ Dust-free and quiet operating
- ▶ Simplest use
- ▶ Convenient for cellulose and wood fibre and free flowing bulk material

Exhibition Model EM3XX and M95 Zellofant, prod. no. 3020

Dimensions (L×W×H): 112×86×118 cm

Recommended accessories:

- ▶ Short hopper top piece for M95 Zellofant, Prod. no. 4812
- ▶ KFB control cable L=5 m , Prod. no. 1119

Exhibition Model Compact M99 Minifant and M95 Zellofant, prod. no. 3132

Dimensions (L×W×H): 75×58×77 cm

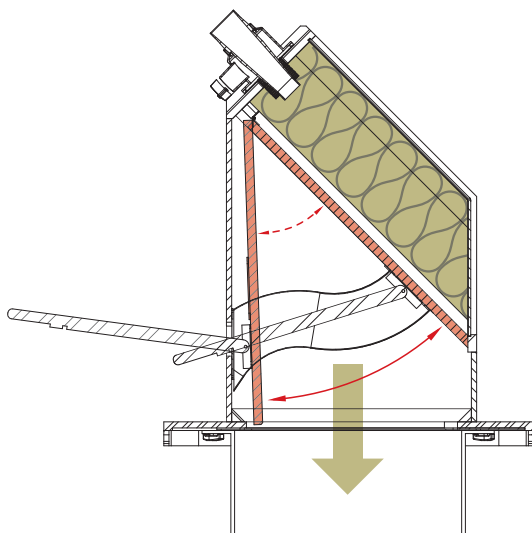
Recommended accessories:

- ▶ For M95 Zellofant connection set required, Prod. no. 6098
 - Adapter plate, Prod. no. 3135
 - 0.5 m conveyor hose NW75, Prod. no. 284
 - Reducer tube PE NW75>63 short, Prod. no. 3768
 - 2 hose clamps NW75, Prod. no. 177
- ▶ Short hopper top piece for M95 Zellofant, Prod. no. 4812
- ▶ KFB control cable L=5 m , Prod. no. 1119




Exhibition model EM3XX and M95 Zellofant

Function Drawing



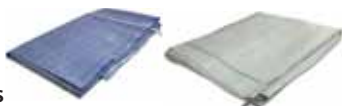
Exhibition model compact with adapter plate for M95 Zellofant

Suction drums

Description	Volume	*** *** ***		Weight	D × H	Prod.No.
Suction drum V = 115 L	115 L	NW75 (3")	NW75 (3")	ca. 20 kg	45 × 86 cm	1160
Suction drum V = 250 L	250 L	NW75 (3")	NW75 (3")	ca. 31 kg	63 × 100 cm	3075

Included in delivery:

- ▶ 5 × woven polypropylene sacks
- ▶ 1.5 m conveyor hose NW75 (3")
- ▶ 2 × quick-connect clamps NW75 (3")
- ▶ 1 × plastic reducer tube NW75>63



Woven polypropylene sacks

Description	Size	blue/white	white	Prod. No.
Bag of woven polypropylene	100 × 150 cm	●	-	801
Bag of woven polypropylene	70 × 110 cm	-	●	1085



Detention Grids

Retention grid for M99 hopper

Optional extra for processing free-flowing bulk materials. Prevents reaching into machine. Including fine-mesh insert.

Prod. no. 2940

Retention grid for M95 hopper

Optional accessory for processing loose bulkware. With a fine wire mesh for insertion into the hopper top piece.

Prod. no. 2941



Detention grid Minifant M99



Detention grid Zellofant M95

Reducer/Extension Tubes

The reducer/extensions tubes are made of stainless steel. It is inserted in the airlock outlet of the insulation blowing machine. It makes connection of smaller or thicker hose diameters possible.

	Compatibility	Hose connection Ø	Prod. No.
Extension Tubes			
NW75>90	M95, EM300, EM400 + EM500	NW90 (3 ½")	6746
Reducer Tubes			
NW75>63	M95, EM300, EM400 + EM500	NW63 (2 ½")	526
NW75>50	M95, EM300, EM400 + EM500	NW50 (2")	1972
NW63>50	M99 + EM100	NW50 (2")	2862
NW63>38	M99 + EM100	NW38 (1 ½")	6224



NW75>90



NW63>38



NW63>50



NW75>63



NW75>50

Supports for bags

	Material	Support bracket	Dust-reducing cover	Prod. No.
EM100	Aluminium	●	-	4714
M99	Aluminium	●	-	3474
M95	Aluminium	●	-	4791
M95 with dust-reducing cover	Aluminium with cloth cover	●	●	3218
		+option low filling height		5128
M95 with dust-reducing cover	Wood	-	●	5786



Sack support EM100

Sack support M99

Sack support M95

Sack support M95 with dust-reducing cover



Replacement Grid for M95

Replacement grid for cellulose, rock wool and similar, suitable for the zellofant M95. The new grid geometry allows for better material conditioning. The narrow mesh opening above the airlock prevents insufficiently shredded material from falling into the airlock. Mesh: 50 - 100 mm

Prod. No. 4164



Electric Generator XE Exhaust Hose

Flexible metal hose for removal of exhaust gases. Length: 1.5 m

Prod. No. 4800

Also available:
90° bend suitable for exhaust hose .

Prod. No. 4801



Short Hopper top Piece

Shorter hopper top piece, suitable for M95 Zellofant.

Height: approx. 750 mm

Volume: approx. 0.3 m³

Prod. No. 4812



Electric Generator XE10 kW: Wheelset

- ▶ Easy mounting
- ▶ Without drilling

Prod. No. 4982



Airlock Slide Gate for M95

The airlock slide gate enables precise adjustment with the material volume, thus achieving a constant material flow. Recommended for damp spraying.

Prod. No. 3194



Electric Generator XE14 kW: Refuelling System

20 litre canister with fuel extraction device.

Prod. No. 4802

Also available:
Replacement hose for refuelling system (prod. no. 5753)



Emergency Stop Button with Casing for Plugging Into Remote Control Socket

Easy to install solution for immediate stoppage of the insulating machine. Suitable for all machines with KFB2000, FFB2000 or FFB2000-Pro remote control. Connected between remote receiver or cable and the remote socket at the machine. Due to a magnetic base, it can be installed at any point of the machinery case.

Prod. No. 5863



Blow-Off Unit

Pressure control unit consisting of weighted pistons and air outlet holes in the cylinder. With the adjustable weighted discs, desired maximum pressure can be selected. Responsive pressure control. This is especially advantageous for pressure sensitive retaining board material and airtight constructions.

Prod. No. 4038

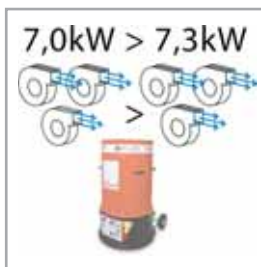


Mains Voltage Display

Detects fluctuating or low voltage supplies. Suitable for use with the following machines:

- ▶ M99-Standard, M99-DS and M99-DS-Pro
- ▶ M95-230V, M95-2x230V
- ▶ EM320, EM325, EM345 and EM365
- ▶ EM440-400V und EM440-3x230V
- ▶ All single-phase insulation blowing machines and amplifiers etc.

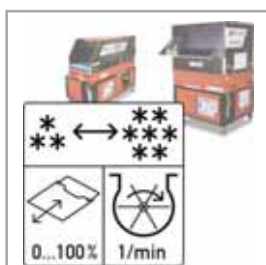
Prod. No. 4604



Zellofant M95-400V-7.0kW Update to 7.3 kW - Var. 2

With this update, the air power of the machine is increased by 0.3 kW and distributes the connection load of the insulation blowing machine almost uniformly among the three phases of the three-phase connection.

Prod. No. 6909



Adjustable Airlock Rotation Speed (EM400/EM500)

Adjustable airlock rotation speed for the EM400/EM500 machine series Selectable by the Radio Remote Control FFB2000-Pro.

Prod. no. 5060



Zellofant M95-400V-7.0kW Zellofant optional add-on - all blowers adjustable - Var. 3

With this additional option, the power of all three centrifugal fans of the insulation blowing machine can be adjusted with the control.

Prod. no. 6937

„X-Floc Dämmtechnik-Maschinen GmbH, the brand for quality and innovation in the field of insulation technology.“

Since its founding in 1994, X-Floc Dämmtechnik Maschinen GmbH has been developing, manufacturing and selling insulation blowing machines and insulation accessories. Our typical customers are craft and assembly companies, such as carpentry and roofing companies, drywall builder and similar. Since 2014, we are manufacturing and supplying complete filling systems for prefabricators, which enable an efficient, industrial production of elements with injection insulation.

Since we develop our technology from the beginning together with our customers and the manufacturers of loose insulation materials, our products are compatible with almost all available injection products. This great innovative capacity, our variety of products and our much praised service have made us a worldwide recognized specialist in pneumatic conveying, especially for loose insulation material. This, our high quality standards and the lived „Made in Germany“ are the most important decision criteria of our customers.



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Telephone + 49 - 7159 - 80470 - 30 · Fax -40
E-Mail info@x-floc.com · Web www.x-floc.com

Your X-Floc dealer

EMX90 Insulation Blowing Machine

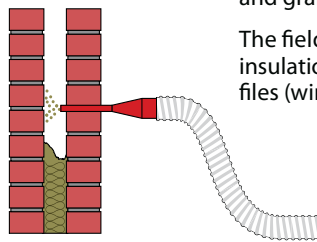
Ideal for Lightweight Bulk Material



- ▶ Venturi principle without airlock
- ▶ Mobile and compact design
- ▶ High-powered radial compressor
- ▶ Precise adjustment with multiple valves
- ▶ Easy-to-wash filter
- ▶ Little maintenance effort
- ▶ Many application fields

The EMX90 insulation blowing machine is made for the processing of lightweight bulk material and granules.

The field of application is located in cavity wall insulation and the insulation of small tight profiles (window construction).



Technical data

Hopper	approx. 125 L
Dimensions (L x W x H)	approx. 520 x 520 x 1180 mm
Filling height	approx. 1130 mm
Outlet	NW32 / 1 1/4"
Power rating	approx. 1,5 kW
Machine control	On/off switch or with optional control unit (Prod. no. 6250) remote control
Air flow volume (max.)	220 m³/h
Conveying height (max.)	15 m
Unladen weight	approx. 48 kg
Air feed unit	High-powered centrifugal fan
Material processing speed	1000 kg/h (EPS granules)
Conveying pressure	330 mbar
Power supply	230V / 50Hz / 10-16 A / PE or 110V / 50Hz / 15 A / PE



Scope of delivery:

- ▶ Insulation blowing machine on four 4 rolls with folding closing lid
- ▶ Switch with ON/OFF function
- ▶ Operating manual
- ▶ Line adapter 230V (L = 10 m)

Prod. no.: 5966

Compatible remote controls:

- ▶ KFB3 - cable control (Prod. no.3821)
- ▶ KFB30 - cable control (Prod. no. 2459)
- ▶ KFB30: Extension cable L = 50 m on reel (Prod. no. 5966)
- ▶ FFB500 - Remote control bidirectional (Prod. no. 6708)



Transport

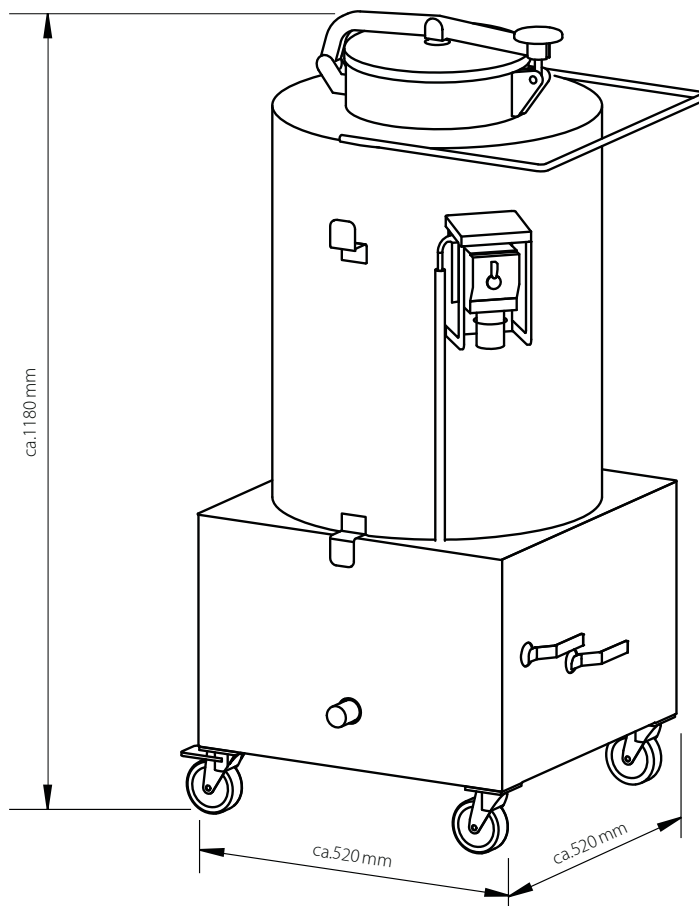


Filling

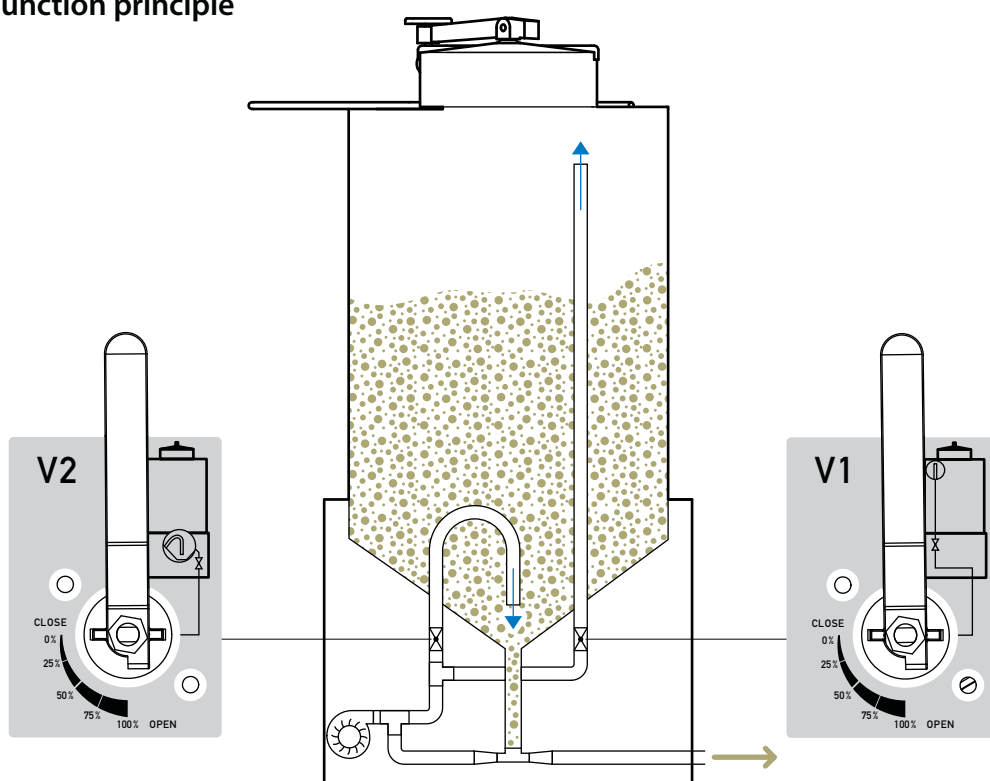


Blowing injection

Dimensions



Function principle



EMX250 Insulation Blowing Machine

For Special Blowing Applications



Important features:

- ▶ Flexible material flow volume control
- ▶ Constant flow of material
- ▶ Tough design
- ▶ Manageable dimensions
- ▶ High mobility
- ▶ Generous performance

The EMX250 series stands out with very good controllable flow of material and a high flexibility relating to processing materials. With this machine many licensed blowing insulation materials can be processed. For example we can name cellulose, mineral wool, composites, flameproof coatings and similar materials. Also special materials like straw, shives or glumes can be processed. The machine has two light current connections.

The dimensions of the machine are designed for easy handling in buildings, lifts, corridors et cetera. The big castor wheel solve the problem of barriers like doors, steps, doorsteps or bumpy grounds.

The EMX250 has a combination of preliminary shredding and volumetric dosing unit which is built up with a conveying screw and a fast rotating shredder unit for the fine preparation. The airlock is made of heavy-walled steel and has a high abrasive wear firmness. The fast rotating airlock with 8 chambers ensures a constant flow of material.

The speed of the conveying screw can be adjusted steplessly in a vast area. By the pre-selection of different gear reductions the conveying speed can be adjusted nearly unlimited for every material.

The generous configured air power is produced by radial compressors. It has buffer for all applications.

The machine can be controlled directly from the injection location optionally with cable or remote control.

Technical data

Hopper	0,26 m ³ (with wood top) 0,15 m ³ (without wood top)
Dimensions (L×W×H)	ca. 1200×600×1750 mm
Filling height	approx.1630 mm (with wood top) approx.1370 mm (without wood top)
Airlock outlet	NW63 (2 1/2")
Power rating	4,2 kW
Machine control	FFB400
Air flow volume (max.)	370 m ³ /h
Unladen weight	240 kg
Air feed unit	2 × 1,45 kW high-powered radial compressors
Power/material processing speed	50 - 500 kg/h
Adjustable conveying pressure	310 mbar
Power supply	2 × 230 V / 50 Hz / 10-16 A / PE



Transport

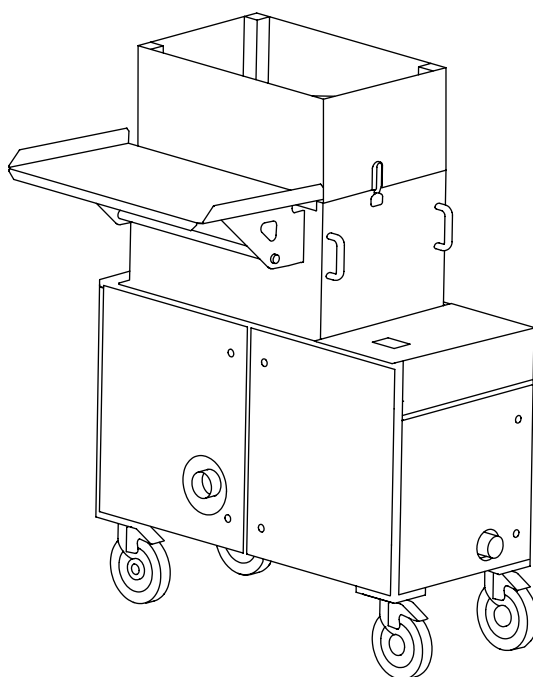
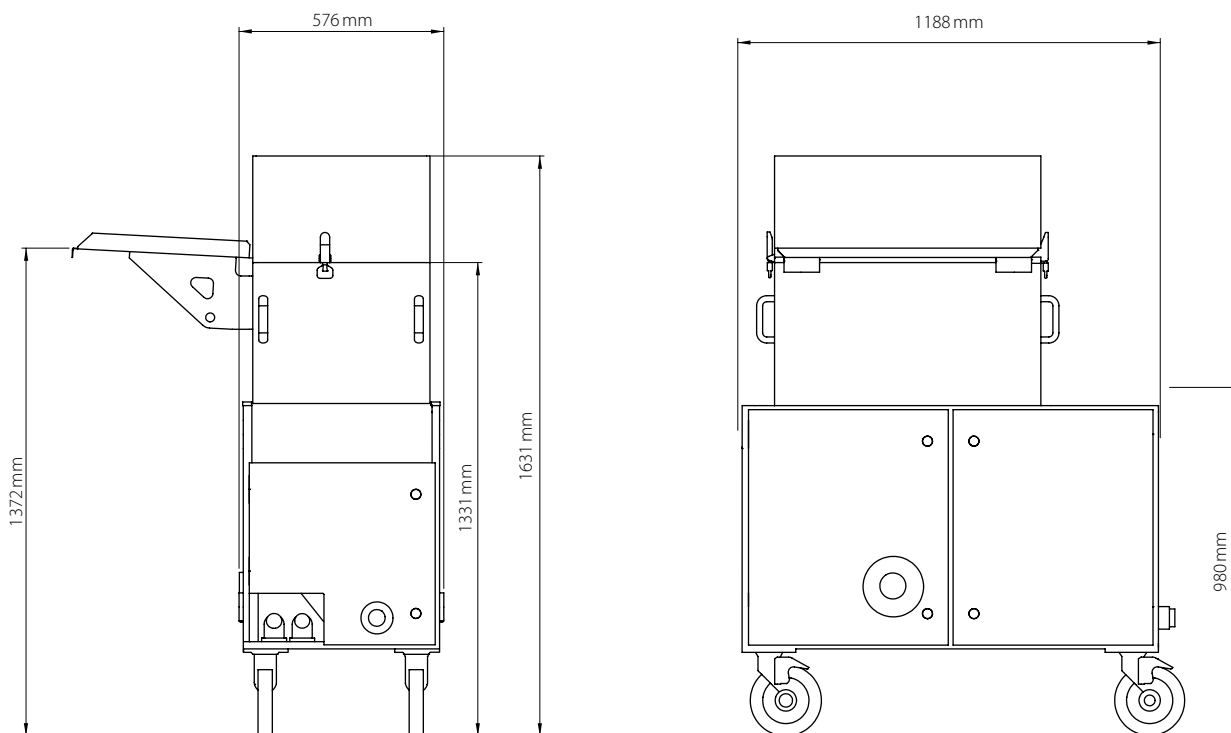


Filling situation



Cleaning

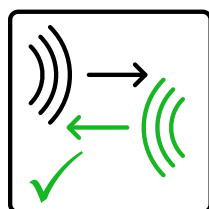
Dimensioning



FFB400: Bidirectional Remote Control for EM100, Minifant M99 , EMX90, EMX250 and Many Third-party Machines



- Bidirectional radio technology
- Various frequency channels with automatic selection of the best operating frequency
- Range monitoring with safety shut down when range is exceeded.
- Reduced battery use when a shorter range is required.
- Compatible to machines of Krendl, SHS, Isoblow, Thermoblow and many more



Transmitter and receiver unit of the FFB400 interchange digital signals with bidirectional radio technology. That means signal validations are interchanged and so assures interference-free operation. The receiver only acts upon orders which have been validated. The remote will not send new instructions until validation is received.

Remote

4 buttons on IP65 plastic case , colour: black, with battery compartment for 2 x AAA and 2 red and green LEDs with the following functions:

- ▶ Air ON
- ▶ Material ON
- ▶ Air and material ON
- ▶ Material OFF, air ON
- ▶ Additional/ reserve channel
- ▶ Battery and radio-communication function display with 2 LEDs
- ▶ Keypad lock (to prevent unintentional switching on of machine)

Receiver

The sturdy plastic casing, magnetic foot and integrated aerial make it ideal for blowing machines with a control circuit.



Magnetic foot

Technical Data

Operating frequency	434 MHz
Short circuit, surge- and under voltage protected radio technology	✓
Remote	
Battery life time	approx. 200 working hours
Switch on delay between air and material	0...3 seconds (adjustable)
Dimensions (W×H×D)	22×65×120 mm
Receiver	
Cable length	approx. 4 m
Dimensions (W×H×D)	45×82×113 mm

Optional Accessories

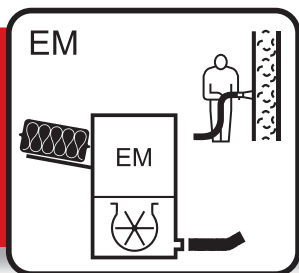


Sport-case for hand-held controls (product no. 5016)



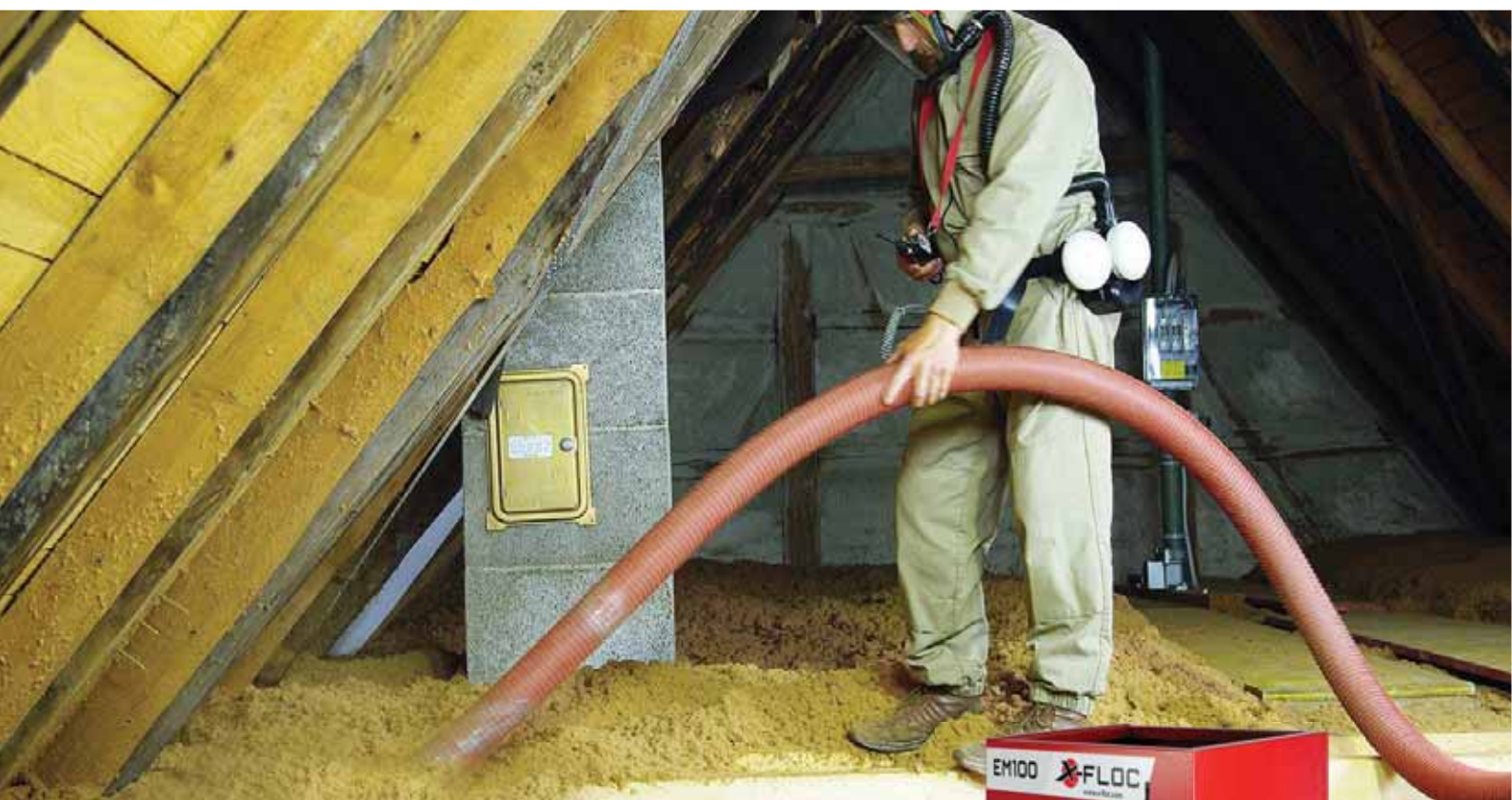
Case with belt loop for remote (product no. 4716)





Insulation blow-in machine EM100

Ideal for beginners and DIY applications



Insulation blow-in machine EM100

Robust and compact blowing machine

- ▶ Solid, durable and extremely user-friendly
- ▶ Perfect for professional use and DIY
- ▶ Predestined for open inflation and blowing in of cellulose, glass wool and light granulates



Structure and functional principle

1 Sack support (see Equipment options)

For convenient depositing and opening of the delivery package and for easier filling, a sack support is available as an option, which can also serve as a lid after use.

2 Grid bars

The insulation material fed into the blow-in machine from above is roughly broken up by the grating bars and the rotating agitator shaft with disturbing flaps. The pre-loosened material falls into the lower hopper area of the machine.

Agitator

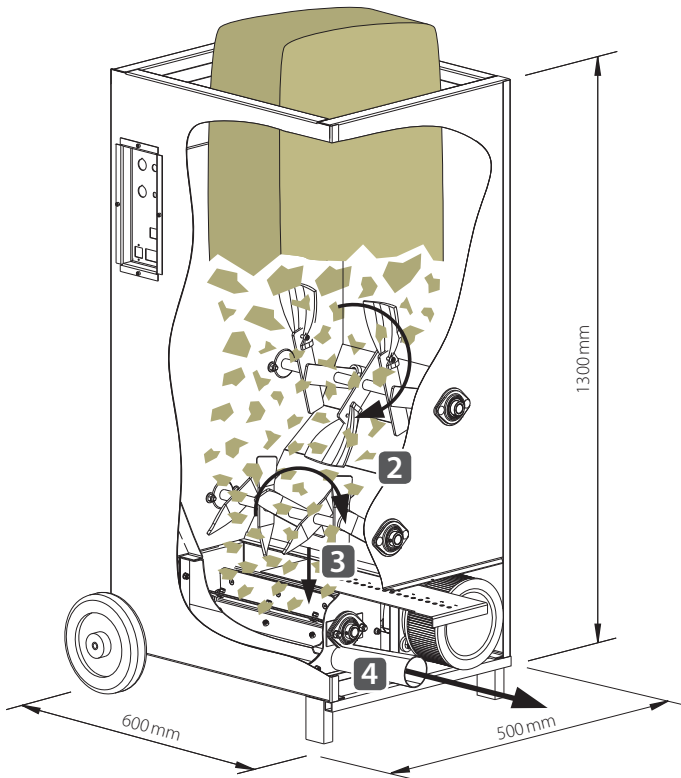
The agitator consists of two horizontally arranged rotating shafts. With the help of the second agitator shaft in the lower hopper area, the insulation material is loosened ready for blowing before it falls into the rotating airlock.

3 Airlock feed gate and rotary airlock

A manually adjustable airlock feed gate is located above the rotary airlock, with which the material feed can be metered according to the application.

4 Airlock outlet

On the rotary airlock's bottom, the transported insulation material is accelerated from the airlock chamber and blown through the outlet nozzle (2½") and the conveyor line into the building element.



Equipment options

1 Sack support

for convenient filling and covering. **Art.no. 4714**

5 Socket spanner SW13

Hexagonal, blade length 125mm. **Art.no. 832**

6 Aluminium case, lockable

for tools and small parts, 46x33x16cm. **Art.no. 104**

7 Radio remote control FFB500

bidirectional, 2 radio frequencies to choose from. **Art.no. 6708**

8 Pressure gauge

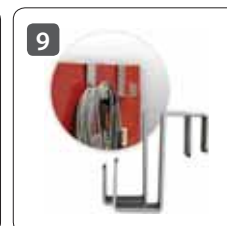
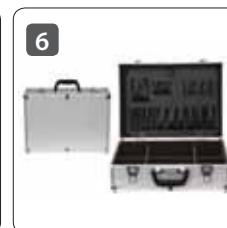
for airlock pressure testing, D=117mm. **Art.no. 7079**

9 S-hook

made of aluminium, to hang up the cable. **Art.no. 4367**

10 Generator XM5kVA / 4,5kW

for securing the power supply. **Art.no. 9583**



Blow-in machine EM100

The X-Floc EM100 **art.no. 3550** is a compact insulation blow-in machine for processing loose insulation materials approved by the building authorities. It is especially suitable for smaller building projects, for open/attic blowing and for compressed blowing of cellulose, glass wool and light granulates.

Thanks to clearly arranged operating elements and easy handling, this solid machine is not only suitable for professional use, but also for DIY do-it-yourselfers. Best suitability for private building projects is also guaranteed by the standard equipment with a 230V light current connection (special version 110V on request) and mains voltage display, with which a fluctuating or weak power supply as well as voltage breaks can be quickly detected.

High mobility is ensured by the low weight, which allows the robust compact machine to be easily tilted and, with the help of the transport wheels, moved effortlessly also on uneven construction site floors.

Another advantage is the modular, easy-to-maintain electronics with standard components. The scope of delivery includes a 3-channel KFB3 control unit, 30m of control cable and a 230V mains adapter. Optionally, the bidirectional radio remote control FFB500 can be ordered ready to plug in.



Technical data

Article number	3550
Power/mat. processing speed *	320kg/h
Hopper	0,15m ³
Airlock outlet ø	NW63 (2½")
Dimensions (LxWxH)	600x500x1300mm
Unladen weight	117kg
Filling height	1300mm
Machine control	Cable remote control KFB3 (optional KFB30/FFB500)
Material conditioning	2 horiz. agitator shafts
Airlock feed gate adjustable	14 levels, manual
Airlock material	Sheet steel
Air generator	High-powered radial compressor 1,45kW
Max. dynamic pressure (adjustable)	250mbar
Air feed amplification	External (option) e. g. VS28/VS33
Air volume (nom./measured)	220/190m ³
Conveying height with/without amplifier	15/30m
Hose length L=max.	40m
Motor	1-phase 0,75kW
Power rating	2,2kW
Power supply	230V/50Hz/10-16A
Max. material packaging density	145kg/m ³

* Maximum value depending on use, material and delivery. All values approximate.

Insulation blow-in machine EM100

Machine accessories

X-Floc insulation blow-in machines as well as amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable controls, power generators as well as sack supports, suction drums and other machine accessories can be found in the corresponding product documentation.

► Further info, see brochure **Machine accessories**



Nozzles and blowing accessories

For all insulation blow-in methods and any application, there are tools and/or aids for insertion, sealing and venting necessary. Detailed information about these accessories and everything about tools such as injection nozzles and rotary nozzles, injection needles and injection lances as well as hole saws and sealing parts can be found in the corresponding product documentation.

► Further info, see brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connections parts are an essential part of the insulation blow-in equipment because all these units can be used to create conceivable transport lines and circuits. Detailed information regarding conveying and injection hoses as well as hose connectors and clamps, Y-connectors and fibre switches can be found in the corresponding product documentation.

► Further info, see brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation material manufacturers and material testing institutes, and many more. Detailed information can be found in the corresponding product documentation.

► Further info, see brochure **Measurement devices**



Damp spraying

In the damp spraying process, thermal insulation material is moistened with water after exiting the hose. Detailed information regarding spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scubber for smooth surfaces can be found in the corresponding product documentation.

► Further info, see brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the insulation blow-in professional from contact with skin-irritating insulation materials. Detailed information on the entire X-Floc range of work clothing, respirators, professional respiratory protection equipment, air filters, batteries and other spare parts and accessories can be found in the corresponding product documentation.

► Further info, see brochure **Industrial safety**



X-Floc Dämmtechnik-Maschinen GmbH

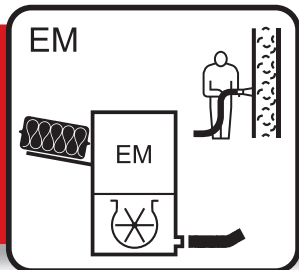
Rosine-Starz-Straße 12 · 71272 Renningen · Germany

Telefon: +49-7159-80470-30 · Fax: -40

E-Mail: info@x-floc.com · www.x-floc.com



Your X-Floc representative



Insulation blow-in machine M99 series

The compact all-rounder – in use all over the world



Minifant M99 | M99-DS | M99-DS-Pro

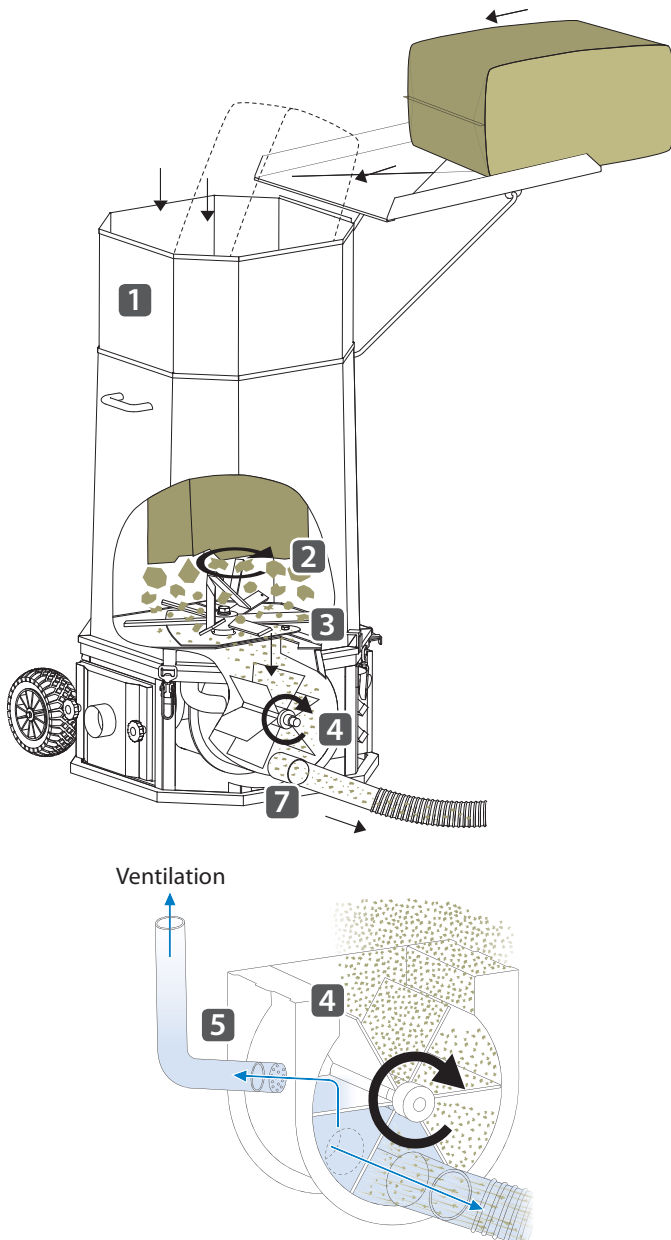
Compact professional insulation blow-in machine

- ▶ Powerful, versatile and easy to transport
- ▶ Suitable for all approved insulation materials
- ▶ Internationally proven on construction sites of all types and sizes as well as for special applications



Operating principle

The insulation material is pushed into the filling hopper after opening the delivery package. Specially shaped shredding arms break the insulation material into smaller pieces and loosen it up completely. The airlock feed gate feeds the material into the rotary airlock. In the lowest airlock chamber, the insulation material is conveyed by the air flow to the outlet nozzle and then blown into the component at an accelerated rate through the conveying hose.



Composition

1 Filling hopper

The delivery package is placed on the sack support (optional) and fed into the hopper. Its volume (approx. 0,26m³) is sufficient for up to two bags of commercially available insulation material.

2 Agitator

The powerful agitator unit breaks up the compressed insulation material and feeds it into the rotary airlock. The rotary movement achieves fine disintegration of the insulation material. The special shape of the agitator prevents the formation of undesirable material bridges.

3 Electrical airlock feed gate

An adjustable airlock feed gate is located above the rotary airlock, which can be used to fine-tune the material feed to suit the application.

4 Rotary airlock

The rotary airlock consists of six (or eight) chambers with rubber seals. This design allows high performance with low wear and excellent sealing. The rotary movement of the airlock rotor moves the upper airlock chamber downwards. The insulating material is accelerated by the air flow and blown into the component through the outlet nozzle and conveying hose.

5 Airlock venting

The rotary airlock is equipped with a valve deaeration, through which the airlock chamber, which is still pressurised after the blow-out process, is depressurised in the upward movement. This allows the chamber to be quickly and completely filled with insulating material in the upward position.

6 Motor/gearbox

The agitator as well as the rotary airlock are driven by a motor that can withstand tough site conditions. Angular and spur gears transmit the necessary drive torques.

7 Outlet nozzle

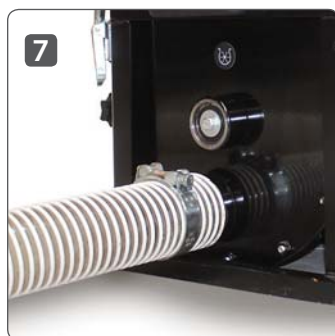
The conveying hose is connected via a NW75 (3") outlet nozzle. Alternatively, direct reducers or extensions can be used to connect different hose sizes.

8 Electrical switchgear

Only high-quality components are installed in the switchgear. The operating and signalling elements are clearly arranged and user-friendly.

9 Mains voltage display

The mains voltage display (optional) allows the machine operator to easily keep an eye on the mains voltage at all times (even under load). Possible sources of error in the area of the mains voltage supply can be quickly detected if necessary.



Minifant M99-DS and M99-DS-Pro

The insulation blow-in machines of the X-Floc Minifant M99 series are equipped with a 230V (or 220-240V) light current connection. They are ideally suited for all approved loose insulation materials and for free-flowing bulk materials. Excellent insulation results can be achieved with cellulose and glass wool thanks to the powerful agitator.

The M99 series is also versatile in terms of blowing methods and, due to the uniform material feed, M99-DS/DS-Pro can also be used very well for spraying work. In both machine types, the agitator and airlock are equipped with speed control, which allows the loosening to be optimally matched to the insulation material used and the material quantity - in addition to the airlock feed gate setting - to be metered even more finely. For example, the standard airlock speed is increased for very uniform material delivery when spraying acoustic coatings. For special requirements for an always uniform material flow, the machines are also available with an eight-chamber airlock (optional).

The Minifant M99-DS-Pro is equipped with the FFB2000-Pro radio remote control as standard. With this, all important settings and functions can be conveniently controlled directly from the blow-in technician's working place.



Mobility

Relocation made easy: All machines of the M99 series can be easily tipped down thanks to their low own weight and can also be moved easily on uneven construction site surfaces with the help of the two transport wheels.

After loosening the three tension locks, the filling hopper can be removed. This makes the machines of the M99 series easy to transport even in small vehicles and also the machine base is easily accessible for maintenance work.



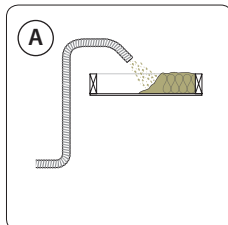
Insulation blow-in machines Minifant M99 series

Blowing methods and insulation material

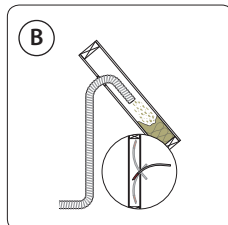
The different building styles as well as types of construction require different working methods. In addition, the amount of air and pressure required for optimal processing is also depending on the insulation material, for example.

The X-Floc blow-in machines of the Minifant M99 series are virtually an allround solution in terms of both the blowing method and the insulation material. There are almost no limits to the processing of loose insulation materials.

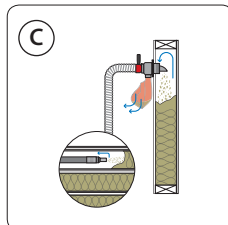
Open/attic blowing



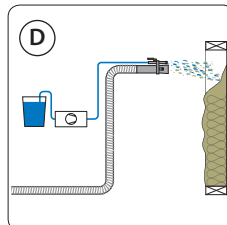
Dry injection



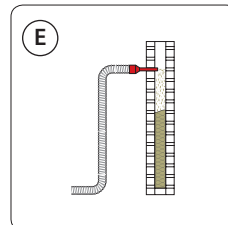
Dry injection with ventilation



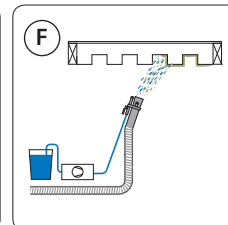
Damp spraying/CSO



Cavity wall insulation



Fire protection



Blow-in insulation materials product groups

Cellulose

ALSLANAT, Arbocel Climasafe, Cellisol 300, Cellisol 500, Warmcel, Warmcel 500, Zellofix, Ouatex, Eurocellulose, cellulose V1, Vosges Cellulose, Eurocellulose SB, cellulose V3 SB, Vosges Cellulose S B, FranceFloc B, Ecofloc B, Cell la vie B, Néocell B, Optimum MP, Climacell S, Climacell pure, Climacell akust, Climacell inside, Climacell sonic, cellfloc, climacell Loft, climacell InduTec, climacell HSX, climacell FSX, climacell Green Nature, Unifloc, Witherm, DÄMMSTATTs CI 040, KLIMA-TEC-FLOCK, biocell, DÄMMSTATTs CI Dämmschüttung, DÄMMSTATTs CI 040 bf, KLIMA-TEC-FLOCK bf, biocell bf, DÄMMSTATTs CI Dämmschüttung bf, DAEMMSTATT D, Isocell D, Trendisol D, Dobry-Ekovilla D, DAEMMSTATT D bf, Isocell D bf, Trendisol D bf, Dobry-Ekovilla D bf, Isocell P, Isocell for you, FLOCO'MOBIL Dämmflocke, Floci-Cell, naturheld Holzfaser Einblasdämmung, WoodyCell+, WoodyCell Plus, WOODYCELL, isofloc, isofloc L+, isofloc LW, isofloc LM, swissfloc, isofloc eco, isofloc neo, easyfiber, CelluBOR SW, OUATECO PREMIUM, JUST BE GREEN, ISOL+, OUATECO, OUATECO NATURE, STEICOfloc, STEICOfloc NB, THERMOFLOC F, THERMOFLOC B, GREENFLOC, Clima-super, Isocell, trendisol, Isodek, Dobry-Ekovilla, Fibra-Natur, Domexcell, Pavafloc, Renocell, Isolare, Poesis, isECO, ISOCELL F, greenwool, clima-super Evolution, Isocell Evolution, greenwool Evolution, isECO green, clima-super lambda+, clima-super max, Isocell lambda+, isECO lambda+, isECO max, trendisol lambda+, Wolfinger Zellulosedämmung, STT Floc, Ekovilla, Ekovilla Puru, Ekovilla IA, Isonem, Isolet, UpCell, GreenCell, Climatizer plus, Thermocel, La cellulosa, Easycell, Celisol, Isocell EU 01, WarmFiber, WarmFiber Plus, Termex, Termex Green, Ekocell, Ekocell Green, Kätevå, Kätevå Green, iQ3 CELLULOSE, CELLIPURE, ISOLANT ECOLOGIQUE SEMI, DOMOSANIX, CELLECO etc.

Wood fibre and Mineral fibre

GUTEX Thermofibre, GUTEX Thermofibre FQ, WOODYCELL SW, AIRFLEX, best wood FIBRE, Hoiz, Jasmin, STEICO zell, Thermocell in-situ formed loose fill insulation, Termoträ Original, Termoträ Fire Protect, Climawood, InsulSafe, Supafil Cavity Wall, Supafil Loft Plus, Supafil Timber Frame, Supafil Max Frame, Teko-Flock, Indi-Flock, Trendi-Flock, swissporROC, COOMBLISSIMO, FLOCOLENE, TECHWOOL, Fillrock KD Plus, Fillrock KD, Fillrock RG Plus, Fillrock RG, Conlit Firesafe, PAROC BLT 5, DOSSOLAN THERMIQUE, Climastone, Climaglass etc.

Mineral granules / EPS granules

BIT Perlit Bachl, HY Perlit Bachl, Neopor, Hyperdämm, Hyperlite KD, Thermoperl, 2K Perlit Flachdachdämmung, Extraperl S4, Thermo-Fill, Thermo-Floor, Thermo-Plan, Thermo-Roof, ISOPLUS100 BEPS-WD, SLS 20F, SLS20 Plus, Perli-Fill, Poraver Blähglas-Granulat, Bauhaus DSX100, Geocell Blähglas, JASS Wärmedämmschüttung, Liaver, NEVOLIT, Climastyren, ThermoWhite WD 100 R, ISO Plus BINDER WD 100R, ThermoWhite WD 70 R (RN), ThermoWhite WD 130 R, HIRSCH PoroBead 033, H2 Wall, Granublow 033, HIRSCH Poro-Bead Plus, H2 Wall Plus, Granublow Plus, Isocell Pearl, RigiBead Premium 033, RigiBead 035, SwissporEPS Perlen, SwissporEPS Styromull, airpor level 3.0, airpor level 3.0 A, airpor rapid, airpor light, BACHL niveauTHERM 160 Premium, BACHL niveauTHERM 160 Premium-PLUS, BACHL niveauTHERM 400 Premium, BACHL niveauTHERM 400 Premium-PLUS, HK33, TF Pearls, GRANU-PUR, Neopixels Premium HR Insulation, thermotec BEPS-WD 130R, thermotec BEPS-WD 70N, Ecofibre EPS 033 Kerndämmung etc.

Fire protection plaster and other insulation material





IIISOVER FireProtect 150, ISOVER FireProtect 150F, DOSSOLAN THERMIQUE, DOSSOLAN 3000, DOSSOLAN-HOECO F II/1, Cafco-BLAZSHIEK DC/F, Cafco-300, FIBREXPAN, Hanf-Dämmwolle HDW, AgriCell BW, Einblasstroh, Bio-Einblasstroh, Thermostroh, Thermostraw, Blown straw insulation, Plantacell, Stroheinblasdämmung, Sonnen-Stroh, SunStroh, Blow-in straw, Loose fill straw insulation, SonnenKlee-Einblasstroh, GREENFLOC, Thermofloc-Dämm pellets, G-tec gebundener Dämmkork, Iso-Stroh, Flachs-floc, Lopas-Strohhäckseldämmung, CEMWOOD CW 1000 / CW 2000, ISOLENA-BLOCK, ISOLENA-OPTIMAL, ISOLENA-PREMIUM, ISOLENA-KLEMMFILZ, ISOLENA-OPTIMAL PLUS, MEHABIT, MEHAPORT, MEHASPORT, NeptuTherm, Calor, THERMO JUTE DUO, THERMO JUTE 100, THERMO JUTE 100 PLUS, Métisse Flocon, FonaTerm - granular, REINFLOCK, Conluto, JOMApel etc.

Table does not claim to be complete. X-Floc will check other products upon request.



Which blowing machine for your application?

In principle, you can process almost all available blow-in insulation materials with every machine in the X-Floc Minifant M99 series. However, it is advisable to select a model that is optimally matched to your needs from the various machine types, also with regard to the areas of application or blow-in methods. Contact us for detailed and further information - we will be happy to advise you!

Model series	Minifant M99	Minifant M99	Minifant M99
Machine type	M99-230V/3,6kW	M99-DS-230V/3,6kW	M99-DS-Pro-230V/3,6kW
			  8 chambers Art.no. 7392
Article number	3432	3837	5416
Power/Material processing speed	600kg/h	650kg/h	650kg/h
Hopper	0,26m³	0,26m³	0,26m³
Airlock outlet ø	NW63 (2½")	NW75 (3")	NW75 (3")
Dimensions (LxWxH)	640x1400mm	640x1400mm	640x1400mm
Unladen weight	110kg	111kg	111kg
Filling height	1400mm	1400mm	1400mm
Airlock ventilation	●	●	●
Dust removal/support for bags	Sack support (optional)	Sack support (optional)	Sack support (optional)
Machine control	Radio remote control FFB500 or cable remote control KFB3 (optional KFB30)		Radio remote control FFB2000-Pro or cable remote control (KFB2000)
Material conditioning	Rotating agitator with shredder arms		
Airlock feed gate adjustable	○	●	●
Airlock rotational speed adjustable	17 levels, manual	17 levels, manual	17 levels, manual
Airlock feed gate material	Sheet steel	Sheet steel	Sheet steel
Automatic switch-off	○	○	●
Air generator	High-powered radial compressor 2x1,45kW	High-powered radial compressor 2x1,45kW	High-powered radial compressor 2x1,45kW
Max. dynamic pressure (adjustable)	325mbar	340mbar	340mbar
Air feed amplification	External amplification optional e. g. X-Floc amplifier/vacuum station VS28/VS33		
Air volume (nominal/measured)	440/350m³/h	440/350m³/h	440/350m³/h
Aspiration with suction hood	●	●	●
Conveying height with/without amplifier	>30/50m	>30/50m	>30/50m
Hose length L=max.	80m	80m	80m
Motor	1-phase 0,75kW	3-phase 0,75kW	3-phase 0,75kW
Power rating	3,6kW	3,6kW	3,6kW
Power supply	230V/50Hz/16A (10A possible with only one radial compressor)		
Max. material packaging density	145kg/m³	155kg/m³	155kg/m³

Compatibility table																			
Cellulose	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitablity	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-
Wood fibre	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitablity	●	○	○	○	-	-	●	●	●	●	-	-	●	●	○	●	-	-
Mineral fibre	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitablity	●	○	○	○	○	-	●	●	●	●	●	-	●	●	●	●	●	-
Mineral granules	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitablity	●	-	-	-	●	●	●	-	-	-	●	●	●	-	-	-	●	●
EPS granules	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitablity	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	●	-
Fire protection plasters/other	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitablity	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

A = Open/attic blowing | B = Dry injection | C = Dry injection with ventilation | D = Damp spraying/CSO | E = Cavity wall insulation | F = Fire protection

● suitable/yes | ○ recommended with limitations | - not recommended/no/not specified (all values approximate)

Insulation blow-in machines Minifant M99 series

Radio remote control FFB500

The Minifant M99-DS machine type is supplied as standard with a specially developed FFB500 radio remote control. It is characterised by low weight and a robust, handy housing.

Radio contact takes place via secure, bidirectional communication between the hand control unit and the receiver. Several frequency channels are available. The transmitting and receiving power increases automatically over longer distances.

If the range is exceeded or the radio contact is broken, the machine is switched off safely. The robust hand control can be easily secured with a wrist strap via an eyelet. The operating elements can be locked with a key lock to prevent unintentional switching on.

Technical data

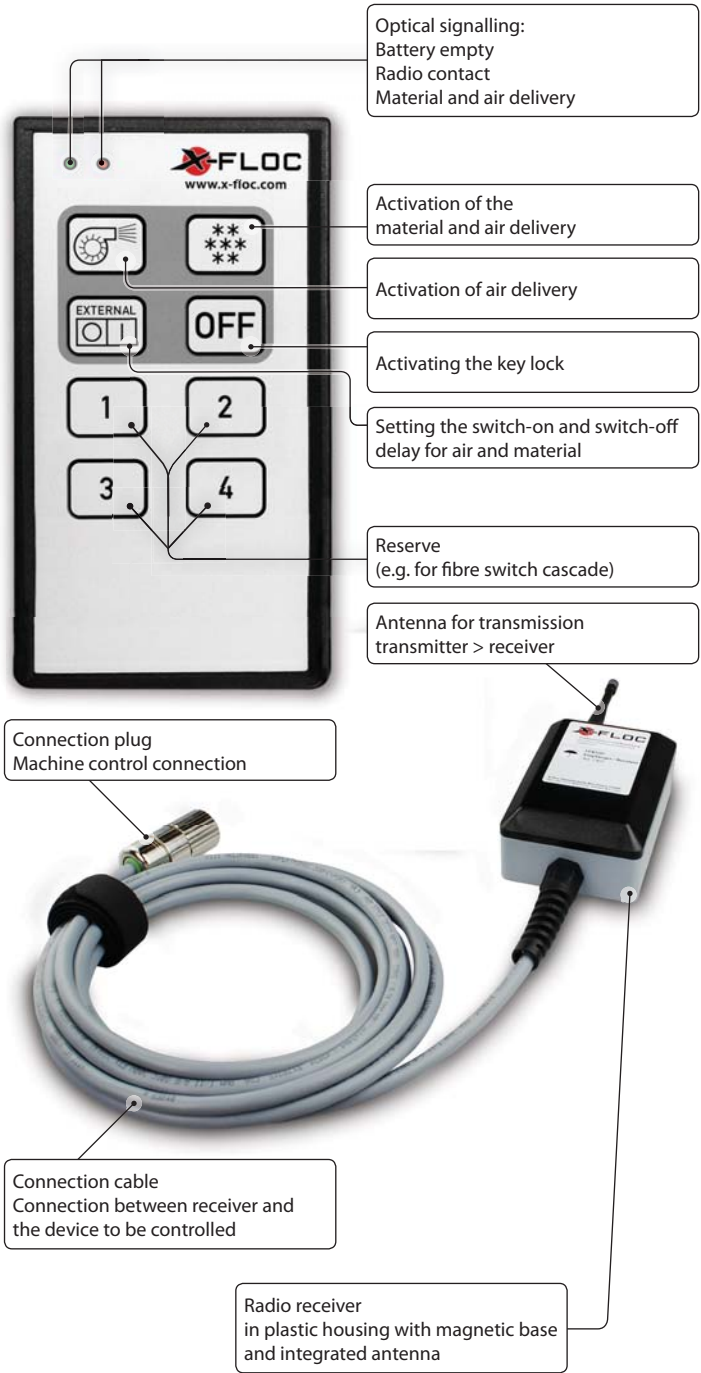
Frequencies (adjustable)	868,15 MHz, 868,45 MHz (Art.no. 6708) or 922 MHz (Art.no. 8869)
Protection against	Short circuit, under-voltage and overvoltage
Compatibility	M99/M99-DS
Radio power	10dBm
Hand-held transmitter	
Range	>180m w/o interruption
Power supply	3x Micro AAA 1.5V
Battery life	approx. 800 hours
Keys	8 in plastic housing IP65
Key lock	Protection against unintentional inputs
Functions	Air start, material start, air and material start combined (time delay adjustable), stop
Switch-on and switch-off delay times between air and material	0...9s (adjustable)
LED display	Battery and radio contact, air ON, material ON, air and material ON
Weight	approx. 80g
Dimensions	approx. 62x111x18mm
Radio receiver	
Range monitoring	Safety shutdown if exceeded
Radio power	10kBm
Weight	approx. 250g
Dimensions	approx. 81x120x46mm

Note:

The FFB500 radio remote control is also compatible with many other brands. After adapting the connection, the control can be used, for example, with Krendl, Thermoblow, SHS, Isoblow etc. machines.



Special effects in the film industry with the Minifant M99-DS/DS-Pro



Radio remote control FFB2000-Pro

Bidirectional radio communication with FM technology: The machine type Minifant M99-DS-Pro comes with the digital radio remote control FFB2000-Pro **art. no. 5154**.

All important settings and functions can be conveniently controlled from the blower's working location. Air output and material delivery rate can be adjusted in 19 steps during operation or when the machine is at a standstill. Together with the pressure signalling unit integrated in the blow-in machine, special functions such as dynamic pressure control and automatic switch-off can be used.

The FFB2000-Pro is characterised by high transmission reliability. However, in the event of radio interference, the hand control unit and the receiver can also be connected via a connecting cable supplied, thus ensuring operation.

Technical data

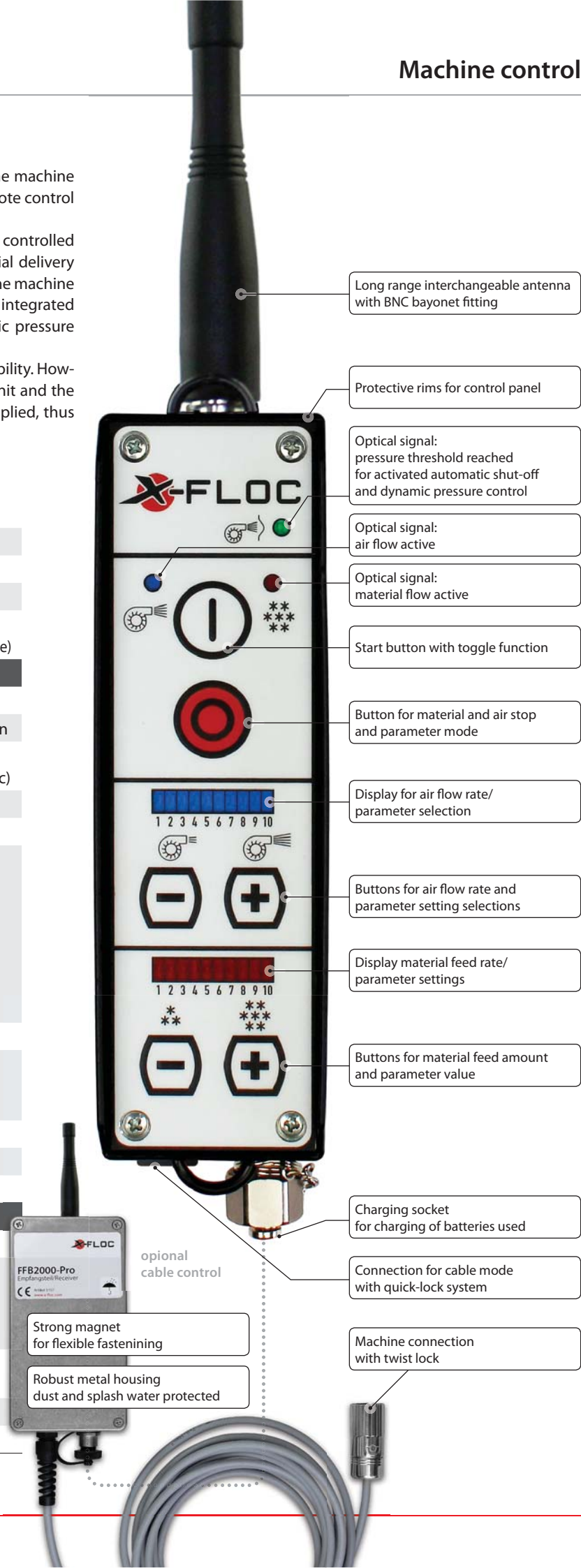
Transmission frequency	434MHz
Operating temperature range	-20°C to +40°C
Voltage supply	24V DC
Radio channels	4 (for construction sides with source of interference)

Hand-held transmitter

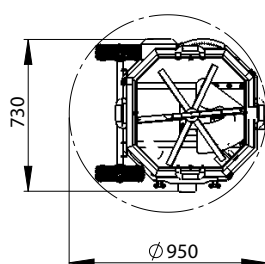
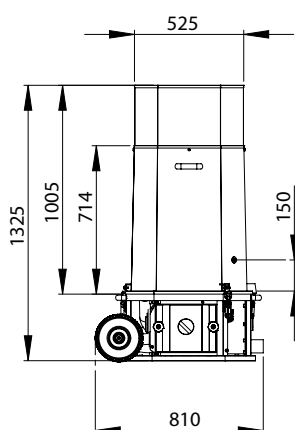
Duration of use	up to 30 hours
Range	>100m w/o interruption
Overpressure signal	LED (optical) warning tone (acoustic)
Function buttons	6 (foil keypad)
Parameter levels	10
Parameters adjustable:	
Radio channels	1-4
Switch-on delay material	0, 1, 2, ...9s
Switch-off delay air	0, 1, 2, ...9s
Delay time:	
Automatic switch-off	0, 1, 2, ...9s
Response time:	
Dynamic pressure control	50, 100, ...500ms
Protection class	IP40
Connections	Cable control Charging socket Antenna
Power supply	3x AAA NiMH 800mAh
Weight	approx. 400g
Dimensions	approx. 47x154x47mm

Radio receiver

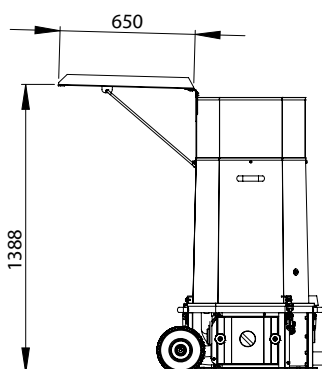
Protection class	IP40
Connections	Control line to the machine Cable control Antenna
Power supply	24V DC (from blow-in machine)
Weight	approx. 765g
Dimensions	approx. 83x151x50mm



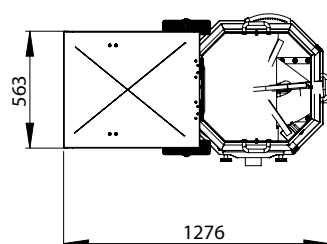
Dimensions Minifant M99



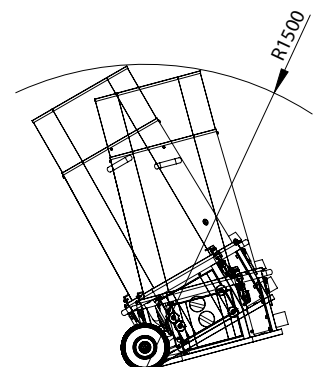
Top view



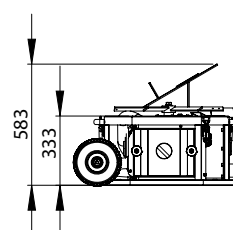
Minifant M99 with sack support



Top view



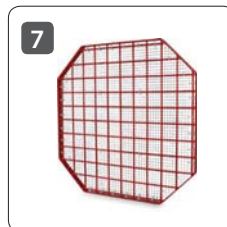
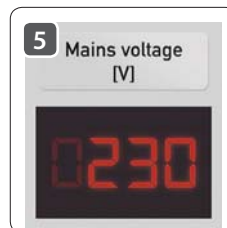
Tipping dimension



Minifant M99 without funnel

Equipment options

- 1 Power generator XM5kVA / 4,5kW**
Generator for securing the power supply. **Art.no. 9583**
- 2 Power generator XM6,7kVA / 6kW**
Generator for securing the power supply. **Art.no. 9584**
- 3 KFB 30-8p - Hand cable control**
with toggle switch Air ON, Air/Material ON, OFF. **Art.no. 7851**
- 4 Extension cable for cable/radio remote control**
7-core, contact plug/socket.
25m **Art.no. 2015** / 50m **Art.no. 2166**
- 5 Mains voltage indicator**
on the control box. Detects fluctuating or weak voltage supply and voltage breaks. **Art.no. 4604**
- 6 Suction drum V=115l / V=250l**
with swivelling lid with quick release fastener for fast exchange of fabric bags. **Art.no. 1160 / Art.no. 3075**
- 7 Retention grid for loose bulk materials**
ø >10mm, for installation in the filling hopper. **Art.no. 8148**
- 8 Sack support**
for superior filling comfort. After use, can be used as a lid for the filling hopper. **Art.no. 3474**
- 9 Intake socket 90° NW75 (3")**
enables right-angled hose connection. **Art.no. 5614**
- 10 Interference element**
to avoid bridging. **Art.no. 6396**
- 11 Reducer tube NW75>63 (3">2½")**
for insertion into the airlock outlet. **Art.no. 8968**
- 12 Wrist/neck strap for FFB500, L=21cm/48cm**
for comfortable carrying of the control unit. **Art.no. 7128**



Dynamic pressure control

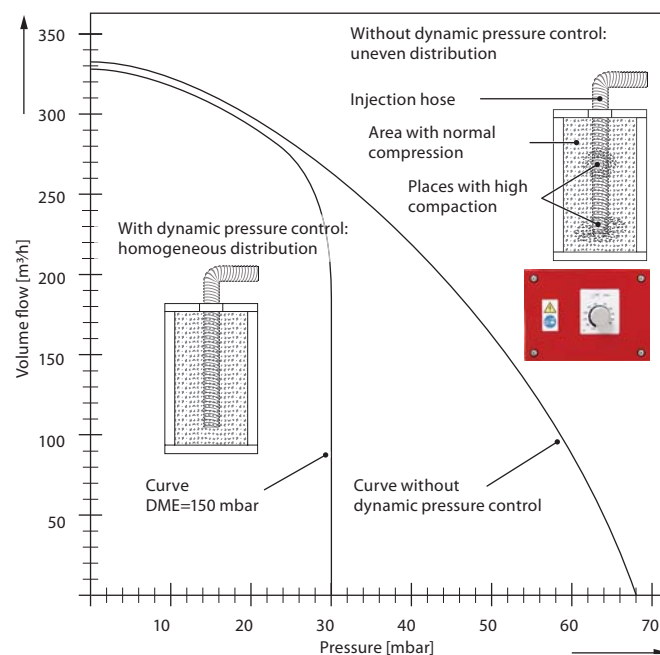
The machine type M99-DS-Pro is supplied with the FFB2000-Pro radio remote control as standard. In this version, the machine has an integrated pressure signalling unit. Together with the control unit, the dynamic pressure control function can be used.

For this purpose, the pressure threshold value on the blow-in machine is set to the desired permissible maximum pressure. When the defined threshold value is reached, the pressure signal unit transmits an overpressure signal to the control unit. The control system regulates the air output accordingly or reliably limits the pressure.

The control mechanism is activated on the hand-held transmitter of the radio remote control (or KBF2000 cable control) by means of a key combination and signalled by a flashing of the air output scale (display of air output/parameter selection).

Exemplary applications:

- ▶ Blowing in airtight elements with the risk, damaging the cladding materials
- ▶ Reduction of bulging in thin planking materials
- ▶ Avoiding localised areas of high density when blowing in roof elements

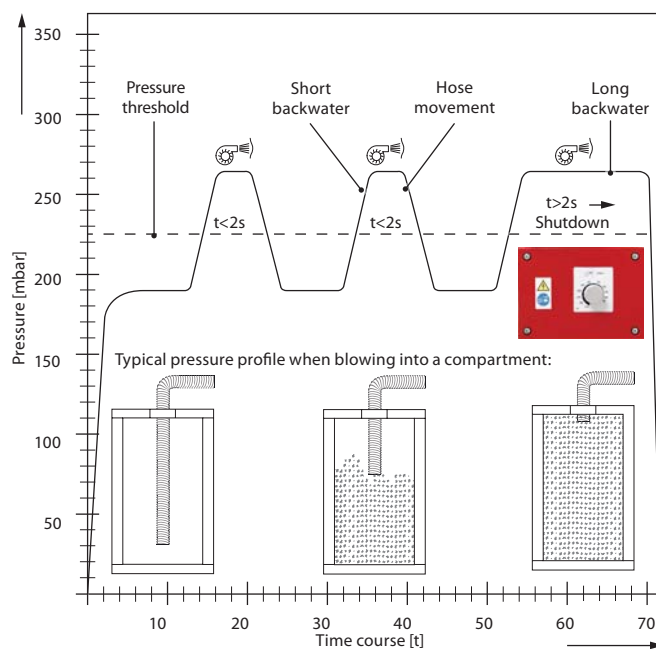


Automatic switch off

The Minifant M99-DS-Pro product variant also enables automatic shutdown of the blow-in machine from a defined pressure threshold value. To do this, the desired value is set on the machine and the automatic shutdown function is activated on the manual control unit of the control system. As a result, when the specified pressure threshold value is reached (response time adjustable via parameters), the machine shuts down automatically without additional user intervention.

Exemplary applications:

- ▶ Ease of work when blowing in air through automatic the machine is switched off automatically when the threshold value is reached
- ▶ Making blowing-in processes reproducible through pressure-based switching off the machine
- ▶ Automatic shutdown when backfilling core insulation materials



Japan: Function test with image proof



Chile: Damp spraying

Insulation blow-in machines Minifant M99 series

Minifant M99 international

Compressed blowing in with ecological insulation materials such as wood and cellulose, damp spraying or open/attic blowing with glass wool made from 80% recycled waste glass, and much more. The insulation blow-in machines of the X-Floc Minifant M99 series are as flexible as they are powerful, both in terms of blowing methods and materials as well as areas of application. In mobile construction site use, these machines convince worldwide with their versatile and efficient application possibilities. They are characterised by user-friendly operation and offer a range of technical features that help the professional user achieve the best work results every day.

Would you like to get an impression with your own eyes? Visit our social media channels and contact us for more information. We are also glad to support you with references in your area.

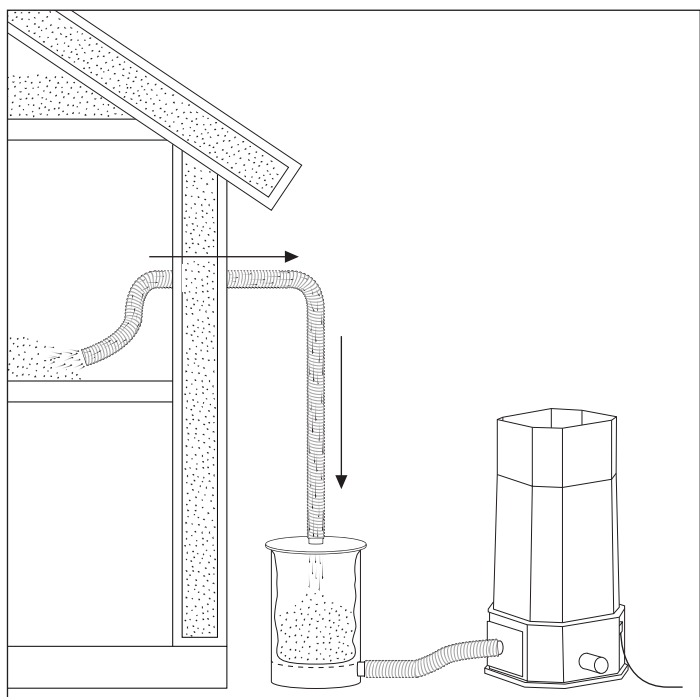


South Africa: Attic blowing with glass wool



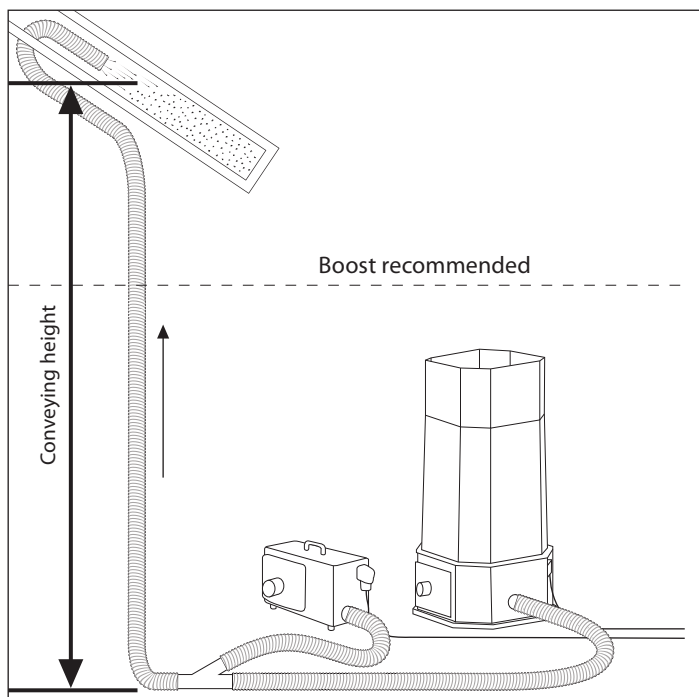
Deconstruction, vacuuming and cleaning

The Minifant M99-DS/DS-Pro blow-in machine can also be used for the removal and cleaning work that is occasionally necessary on the construction site. For this purpose, the machine is connected to a suction drum (see optional accessories). Suction can then be applied via the existing conveying hose.



Air boost

Heavy insulation material or large conveying heights can be handled better with a higher air output. For this purpose, or generally to further increase performance, the Minifant M99-DS/DS-Pro can be equipped with an additional amplifier unit (see amplifier/vacuum stations).



Reinforcement, deconstruction and cleaning

Some insulation materials require a particularly high air volume for proper installation and certain installation situations require the use of long conveyor hoses, e.g. to overcome high gradients. Occasionally, loose insulation materials also have to be removed again.

With an amplifier/vacuum station you can supplement your blow-in machine or use it in conjunction with a suction drum for cleaning. The VS28/VS33 can be used as suction as well as pressure units and are particularly reliable due to the separate working and cooling air. They are equipped with lightweight powerful centrifugal fans and in portable compact design are the perfect complement to the Minifant M99 insulation blow-in machine series.

Synchronous control included:

Via the potentiometer on the amplifier station, the maximum amplifier fan power is adjusted to the max. fan power of the blow-in machine. Further regulation of the amplifier blower output is synchronous with the blower signal of the blow-in machine. This means that the amplifier always works with the blower line that the processor sets on the remote control.

Main application areas of the X-Floc VS series:

- ▶ Amplified blowing (with dust extraction)
- ▶ For large conveying heights, heavy materials
- ▶ As extraction station (cleaning or deconstruction of ancient building materials)



Amplifier/vacuum stations in comparison



VS28



VS33



VS55M



VS75M

Amplifier/vacuum station					Special versions on request
Type	VS28	VS33	VS55M	VS75M	
Article number	2711	5855	9455	9793	
Amplify/clean	●/●	●/●	●/●	●/●	
Active dust removal	●	●	●	●	
Stepless power regulation	●	●	●	●	
Synchronisation with machine	●	●	●	●	
Remote control	●	●	●	●	
Power	2,8 kW	3,3 kW	5,5 kW	7,5 kW	
Max. overpressure	320 mbar	350 mbar	500 mbar	600 mbar	
Max. negative pressure	280 mbar	320 mbar	450 mbar	550 mbar	
Max. air volume (nominal/measured)	440 / 360 m³/h	420 / 400 m³/h	470 m³/h*	390 m³/h*	
Air feed unit	High-powered radial compressor	High-powered radial compressor	5-stage turbine	5-stage turbine	
Outlet nozzle	NW63 (2½") / NW75 (3")	NW63 (2½") / NW75 (3")	NW63 (2½") / NW90 (3½")	NW63 (2½") / NW90 (3½")	
Dimensions (LxWxH)	482 × 358 × 418 mm	482 × 358 × 418 mm	605 × 560 × 750 mm	605 × 560 × 750 mm	
Weight	approx. 19,5 kg	approx. 19,8 kg	approx. 65 kg	approx. 88 kg	
Operating hours counter	○	●	-	-	
Mains voltage display	○	○	-	-	

* Freeblowing ● suitable/yes | ○ recommended to a limited extent | - unsuitable/no/no information (all values given are approximate)

Insulation blow-in machines Minifant M99 series

Machine accessories

X-Floc insulation blow-in machines as well as amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable controls, power generators as well as sack supports, suction drums and other machine accessories can be found in the corresponding product documentation.

► Further info, see brochure **Machine accessories**



Nozzles and blowing accessories

For all insulation blow-in methods and any application, there are tools and/or aids for insertion, sealing and venting necessary. Detailed information about these accessories and everything about tools such as injection nozzles and rotary nozzles, injection needles and injection lances as well as hole saws and sealing parts can be found in the corresponding product documentation.

► Further info, see brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connections parts are an essential part of the insulation blow-in equipment because all these units can be used to create conceivable transport lines and circuits. Detailed information regarding conveying and injection hoses as well as hose connectors and clamps, Y-connectors and fibre switches can be found in the corresponding product documentation.

► Further info, see brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation material manufacturers and material testing institutes, and many more. Detailed information can be found in the corresponding product documentation.

► Further info, see brochure **Measurement devices**



Damp spraying

In the damp spraying process, thermal insulation material is moistened with water after exiting the hose. Detailed information regarding spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scubber for smooth surfaces can be found in the corresponding product documentation.

► Further info, see brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the insulation blow-in professional from contact with skin-irritating insulation materials. Detailed information on the entire X-Floc range of work clothing, respirators, professional respiratory protection equipment, air filters, batteries and other spare parts and accessories can be found in the corresponding product documentation.

► Further info, see brochure **Industrial safety**



X-Floc Dämmtechnik-Maschinen GmbH

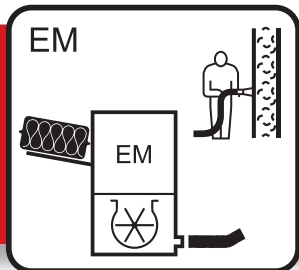
Rosine-Starz-Straße 12 · 71272 Renningen · Germany

Telefon: +49-7159-80470-30 · Fax: -40

E-Mail: info@x-floc.com · www.x-floc.com



Your X-Floc representative



Blow-in machines Zellofant M95 series

Always at the cutting edge of technology since 1995

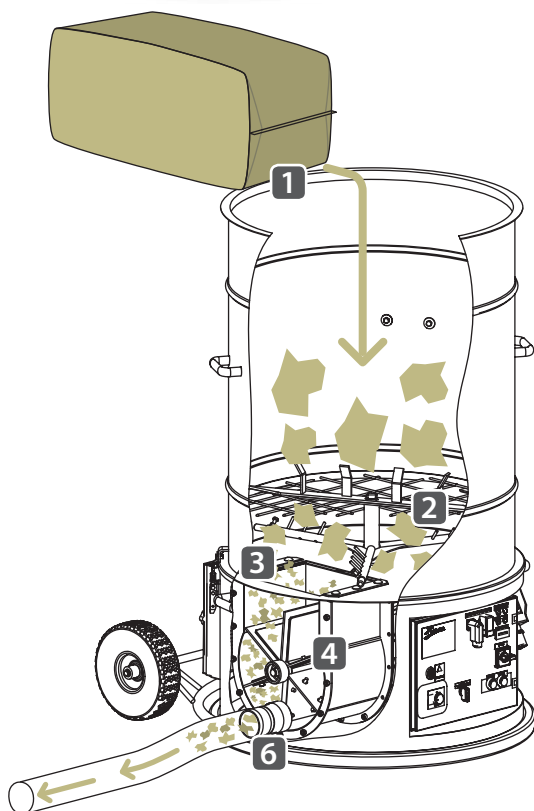


Zellofant M95 – The classic one

The proven professional blow-in machine

- ▶ Powerful in terms of throughput and performance
- ▶ Just right for a wide range of insulation materials
- ▶ Precisely controllable via cable/radio remote control
- ▶ Compact, robust and mobile anywhere





Structure and operating principle

1 Hopper and support for bags (option)

The insulation material is filled into the hopper from above. A bag support simplifies the depositing and opening of bagged goods. A shortened hopper plus a dust removal cover are also available as an option.

2 Agitator

The three-stage agitator consists of a shredding arm, a replacement grid and a rake unit.

The rotating **shredding arm universal** shreds the bale into pieces or tears up the insulation material. Welded-on disruptive elements ensure that highly compacted pieces of material are broken up and shredded.

Due to the **replacement grid** only shredded pieces fall into the **rake**, which breaks up the material ready for blowing.

The amount of material that, with the air flow, is blown into the conveying hose is regulated via the airlock speed.

3 Airlock feed gate (option)

For exact metering of the material quantity and uniform material flow (e.g. for spray applications and cavity wall insulation), an additional airlock feed gate is recommended.

4 Rotary airlock

The rotary valve transports the finely divided material into the lower part of the airlock. From there, it is accelerated by the air flow of the high-performance radial compressors and blown or attic blown or sprayed into the component via the outlet nozzle and the conveying line.

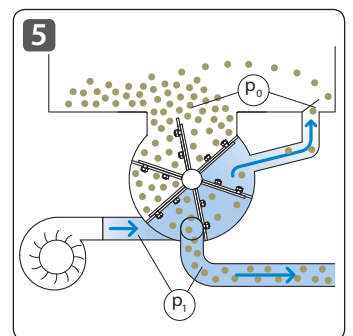
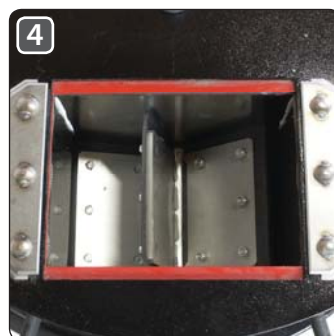
5 Airlock ventilation

Pressure equalisation significantly increases the material throughput and the efficiency of the airlock, while at the same time avoiding dust turbulence in the filling hopper.

6 Airlock outlet

All Zellofant M95 are equipped with a NW75 (3") airlock outlet as standard. Optionally, a direct reduction to NW63 (2½") or NW50 (2") is possible, as well as an upgrade with an outlet nozzle NW90 (3½"). This is suitable for all Zellofant rotary airlocks and can increase the output or material throughput by approx. 35%.

► For more information on the many ways to customise the Zellofant M95 to your individual requirements, see **Equipment options**.



The proven Zellofant M95 series

The Zellofant M95 is an established name among the powerful blow-in machines for professional insulation processing. Since its appearance in 1995, it has been continuously developed and equipped with useful expansion options.

One of its outstanding features is its precise controllability - the amount of material and air can be adjusted to the requirements at any time by remote control. The machine's design is optimised for mobile use and robust plug-in connections ensure safe construction site operation.

The Zellofant M95 series is available in 400V and 230V versions, as well as in various power variants to meet specific needs.



M95-230V



M95-2x230V



M95-400V

Perfect for mobile construction site use

The Zellofant M95 can be easily transported even on very uneven ground thanks to its compact design and pneumatic transport trolley. By loosening the spring clip, the transport trolley can be attached and removed as required. This allows the machine to be moved effortlessly in operation, in the vehicle and on the construction site.

Successful machine concept

The basis for the long-standing success of the Zellofant M95 series is the basic concept with removable filling hopper and compact machine base. This makes the machines not only easy to maintain, but also extremely user-friendly.

For example, all connections are easily accessible and the operating and control elements are clearly arranged and labelled on the front of the control box.



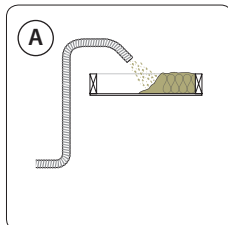
Insulation blow-in machines Minifant M99 series

Blowing methods and insulation material

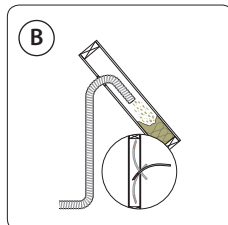
The different building styles as well as types of construction require different working methods. In addition, the amount of air and pressure required for optimal processing is also depending on the insulation material, for example.

The X-Floc blow-in machines of the Minifant M99 series are virtually an allround solution in terms of both the blowing method and the insulation material. There are almost no limits to the processing of loose insulation materials.

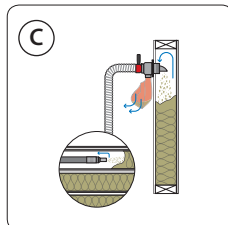
Open/attic blowing



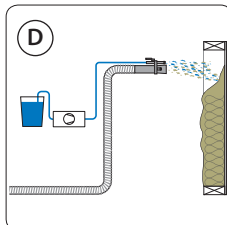
Dry injection



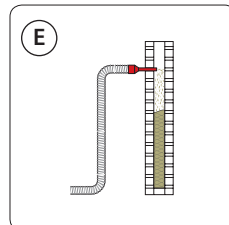
Dry injection with ventilation



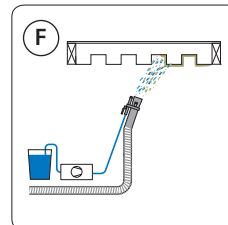
Damp spraying/CSO



Cavity wall insulation



Fire protection



Blow-in insulation materials product groups

Cellulose

ALISANAT, Arbocel Climasafe, Cellisol 300, Cellisol 500, Warmcel, Warmcel 500, Zellofix, Ouatex, Eurocellulose, cellulose V1, Vosges Cellulose, Eurocellulose SB, cellulose V3 SB, Vosges Cellulose S B, FranceFloc B, Ecofloc B, Cell la vie B, Néocell B, Optimum MP, Climacell S, Climacell pure, Climacell akust, Climacell inside, Climacell sonic, cellfloc, climacell Loft, climacell InduTec, climacell HSX, climacell FSX, climacell Green Nature, Unifloc, Witherm, DÄMMSTATTs CI 040, KLIMA-TEC-FLOCK, biocell, DÄMMSTATTs CI Dämmerschüttung, DÄMMSTATTs CI 040 bf, KLIMA-TEC-FLOCK bf, biocell bf, DÄMMSTATTs CI Dämmerschüttung bf, DAEMMSTATT D, Isocell D, Trendisol D, Dobry-Ekovilla D, DAEMMSTATT D bf, Isocell D bf, Trendisol D bf, Dobry-Ekovilla D bf, Isocell P, Isocell P for you, FLOCO'MOBIL Dämmflocke, Floci-Cell, naturheld Holzfaser Einblasdämmung, WoodyCell+, WoodyCell Plus, WOODYCELL, isofloc, isofloc L, isofloc L+, isofloc LW, isofloc LM, swissfloc, isofloc eco, isofloc neo, easyfiber, CelluBOR SW, OUATECO PREMIUM, JUST BE GREEN, ISOL+, OUATECO, OUATECO NATURE, STEICOfloc, STEICOfloc NB, THERMOFLOC F, THERMOFLOC B, GREENFLOC, Klima-super, Isocell, trendisol, Isodek, Dobry-Ekovilla, Fibra-Natur, Domexcell, Pavafloc, Renocell, Isolare, Poesis, isECO, ISOCELL F, greenwool, clima-super Evolution, Isocell Evolution, greenwool Evolution, isECO green, clima-super lambda+, clima-super max, Isocell lambda+, greenwool lambda+, isECO lambda+, isECO max, trendisol lambda+, Wolfinger Zellulosedämmung, STT Floc, Ekovilla, Ekovilla Puru, Ekovilla IA, Isonem, Isolet, UpCell, GreenCell, Climatizer plus, Thermocel, La cellulosa, Easycell, Celisol, Isocell EU 01, WarmFiber, WarmFiber Plus, Termex, Termex Green, Ekocell, Ekocell Green, Kätevå, Kätevå Green, iQ3 CELLULOSE, CELLIPURE, ISOLANT ECOLOGIQUE SEMI, DOMOSANIX, CELLECO etc.

Wood fibre

GUTEX Thermofibre/FQ, WOODYCELL SW, AIRFLEX, best wood FIBRE, Hoiz, Jasmin, STEICO zell, Thermocell in-situ formed loose fill insulation, Termoträ Original, Termoträ Fire Protect etc.

Mineral fibre

InsulSafe, Supafil Cavity Wall, Supafil Loft Plus, Supafil Timber Frame, Supafil Max Frame, Teko-Flock, Indi-Flock, Trendi-Flock, swissporROC, COOMBLISSIMO, FLOCOLENE, TECHWOOL, Fillrock KD Plus, Fillrock KD, Fillrock RG Plus, Fillrock RG, Conlitt Firesafe, PAROC BLT 5, DOSSOLAN THERMIQUE etc.

Mineral granules

BIT Perlit Bachl, HY Perlit Bachl, Neopor, Hyperdämm, Hyperlite KD, Thermoperl, 2K Perlit Flachdachdämmung, Extraperl S4, Thermo-Fill, Thermo-Floor, Thermo-Plan, Thermo-Roof, ISOPLUS100 BEPS-WD, SLS 20F, SLS20 Plus, Perli-Fill, Poraver Blähglas-Granulat, Bauhaus DSX100, Geocell Blähglas, JASS Wärmedämmschüttung, Liaver, NEVOLIT etc.

EPS granules

ThermoWhite WD 100 R, ISO Plus BINDER WD 100R, ThermoWhite WD 70 R (RN), ThermoWhite WD 130 R, HIRSCH PoroBead 033, H2 Wall, Granublow 033, HIRSCH Poro-Bead Plus, H2 Wall Plus, Granublow Plus, Isocell Pearl, RigiBead Premium 033, RigiBead 035, SwissporEPS Perlen, SwissporEPS Styromull, airpor level 3.0, airpor level 3.0 A, airpor rapid, airpor light, BACHL niveauTHERM 160 Premium, BACHL niveauTHERM 160 Premium-PLUS, BACHL niveauTHERM 400 Premium, BACHL niveauTHERM 400 Premium-PLUS, HK33, TF Pearls, GRANU-PUR, Neopixels Premium HR Insulation, thermotec BEPS-WD 130R, thermotec BEPS-WD 70N, Ecofibre EPS 033 Kerndämmung etc.

Fire protection plaster and other insulation material






ISOVER FireProtect 150, ISOVER FireProtect 150F, DOSSOLAN THERMIQUE, DOSSOLAN 3000, DOSSOLAN-HOECO F II/1, Cafco-BLAZSHIEKD DC/F, Cafco-300, FIBREXPAN, Hanf-Dämmwolle HDW, AgriCell BW, Einblasstroh, Bio-Einblasstroh, Thermostroh, Thermostraw, Blown straw insulation, Plantacell, Stroheinblasdämmung, SonnenStroh, SunStraw, Blowstraw, Blow-in straw, Loose fill straw insulation, SonnenKlee-Einblasstroh, GREENFLOC, Thermofloc-Dämm pellets, G-tec gebundener Dämmkork, Iso-Stroh, Flachsloc, Lopas-Strohhäcksel-dämmung, CEMWOOD CW 1000 / CW 2000, ISOLENA-BLOCK, ISOLENA-OPTIMAL, ISOLENA-PREMIUM, ISOLENA-KLEMMFILZ, ISOLENA-OPTIMAL PLUS, MEHABIT, MEHAPORT, MEHAS-PORT, NeptuTherm, Calor, THERMO JUTE DUO, THERMO JUTE 100, THERMO JUTE 100 PLUS, Métisse Flocon, FonaTerm - granular, REINFLOCK, Conluto, JOMaperl etc.

Table does not claim to be complete. X-Floc will check other products upon request.



Which blow-in machine for your application?

The machines of the Zellofant M95 series are suitable for all insulation materials and blowing methods. However, you can choose a design optimally matched to your needs from the various machine types. Contact us - we will be happy to advise you!













Zellofant M95 series					
Machine type	M95-230V/3,7kW	M95-2x230V/5,1kW	M95-400V/5,5kW	M95-2x230V/6,6kW	M95-400V/7,3kW
					
Article number	7139	6906	6907	10919	6908
Power/Material processing speed	650kg/h	750kg/h	1080kg	980kg/h	1255kg/h
Hopper (shorter hopper)	0,44m³ (0,3m³)	0,44m³ (0,3m³)	0,44m³ (0,3m³)	0,44m³ (0,3m³)	0,44m³ (0,3m³)
Airlock outlet ø	NW75 (3") (Standard) Erweiterung auf NW90 (3½") oder Direktreduzierung auf NW63 (2½"), NW50 (2") möglich				
Dimensions (øxH)	880x1425mm	800x1425mm	800x1425mm	800x1425mm	800x1425mm
Unladen weight	155kg	160kg	165kg	170kg	185kg
Filling height	1425mm	1425mm	1425mm	1425mm	1425mm
Airlock ventilation	●	●	●	●	●
Dust removal/Support for bags	Support for bags optional with ventilation cover				
Machine control	Cable remote control KFB2000 (standard) or Radio remote control FFB2000/FFB2000-Pro				
Machine conditioning	2-level agitator with rotating shredder arm, replaceable grid and rake unit				
Shredder	HW95 optional	HW95 optional	HW95 optional	HW95 optional	HW95 optional
Airlock feed gate adjustable	14-levels, manually (optional)				
Airlock rotational speed adjustable	10-levels cable remote control KFB2000 / 19-levels radio remote control FFB2000-Pro				
Automatic blowing	●	●	●	●	●
Pressure relief valve	optional	optional	optional	optional	optional
Air generator	High-powered radial compressor 2x1,45kW	High-powered radial compressor 2x1,8kW	High-powered radial compressor 2x1,8kW	High-powered radial compressor 2x1,8kW + 1x1,45kW	High-powered radial compressor 3x1,45kW
Dynamic pressure max. (adjustable)	300mbar	375mbar	390mbar	420mbar	400mbar
Air feed amplification	External amplification optional e. g. X-Floc Amplifier/vacuum station VS28/VS33, VS55M/VS75M				
Air volume (nominal/measured)	320/250m³/h	390/370m³/h	390/370 m³/h	590/540m³/h	590/540m³/h
Aspiration with suction hood (cleaning/dust extraction)	○	○	○	○	○
Conveying height (without/with amplifier)	>45/>70m	>30/>70m	>30/>70m	>30/>75m	>30/>75m
Hose length L=max.	80m	150m	150m	180m	180m
Motor	2x3-phase, 0,75kW	2x3-phase, 0,75kW	2x3-phase, 0,75kW	2x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW
Power rating	3,7kW	5,1kW	5,5kW	6,6kW	7,3kW
Power supply	230V/50Hz/16A	2x230V/50Hz/16A	400V/50Hz/3x16A/N/PE	2x230V/50Hz/16A	400V/50Hz/3x16A/N/PE
Max. material packing density	155kg/m³	165kg/m³	165kg/m³	165kg/m³	165kg/m³








Compatibility table		A B C D E F						A B C D E F						A B C D E F						A B C D E F						A B C D E F					
Cellulose	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-
Wood fibre	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	○	○	-	○	-	●	●	●	-	○	-	●	●	●	-	●	-	●	●	●	-	○	-	●	●	●	-	●	-
Mineral fibre	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	○	○	○	○	○	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-
Mineral granules	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●
EPS granules	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	-	-	-	-	●	-	-	-	-	●	-	-	-	-	-	-	●	-	-	-	-	●	-	-	-	-	-	-	●	-
Fire protection plaster, Others	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

A = Open/attic blowing | B = Dry injection | C = Dry injection with ventilation | D = Damp spraying/CSO | E = Cavity wall insulation | F = Fire protection
 ● suitable/yes | ○ recommended with limitations | ◯ not recommended/no/not specified All values are approximate.

Blow-in machines Zellofant M95 series

Equipment options

		Art.no.
	Outlet nozzle NW90 Upgrade from NW75 (3") > NW90 (3½") suitable for all Zellofant M95 machine types	7109
	Radio remote control FFB2000-Pro Bidirectional radio technology, four radio channels, high transmission reliability	5243
	Direct extension NW75>NW90 Airlock outlet nozzle for extension of NW75 (3") > NW90 (3½"), suitable for conveyor hose NW90	6746
	Mains voltage indicator for 230V power supply installation in Zellofan 95 for detection of voltage supply fluctuations	4604
	Airlock feed gate manually, suitable for all Zellofant M95 machine types	3194
	Quick coupling for airlock outlet nozzle Storz coupling, fixed NW75(B) with female thread R2 ½"	172
	Reinforced rotary airlock L200 due to thicker wall thickness for longer service life when working with abrasive insulating materials 3→5mm	6719
	Power generator XM5kVA/4,5kW Compact, mobile single-phase synchronous generator, self-regulating	9
	Direct reducer NW75>NW63 Reducer NW75 (3") > NW63 (2½"), for insertion into the airlock outlet nozzle of the blow-in machine	526
	Direct reducer NW75>NW50 Reducer NW75 (3") > NW50 (2"), for insertion into the airlock outlet nozzle of the blow-in machine	1972
	Mains adapter distributor 400V 400V-CEE>3x 230V-Schuko (with connection cable)	9481
	Power distributor 400V/16A PRCD-S Type B, mobile, with integrated all-current sensitive residual-current protection	9271

		Art.no.
	Suction drum V=115l with swivelling lid. Tape fabric bags and connection parts included in the scope of delivery.	1160
	Suction drum V=250l with swivelling lid. Tape fabric bags and connection parts included in the scope of delivery.	3075
	Support for bags Sturdy bag support made of aluminium with support bracket	4791
	Support for bags with ventilation cover Sturdy bag support made of aluminium and dust extraction attachment with strip curtain	3218
	Machine hopper short suitable for all types of Zellofant M95 H= sprox. 750mm (use bag support with ventilation cover)	4812
	Deflector element universal for attachment to the inside of the hopper, suitable for all Zellofant M85 types	8358
	Retention grid for the hopper for insertion into the hopper, for processing free-flowing bulk materials such as EPS granulates	2941

Sample order size

Example: Zellofant M95



- ▶ Zellofant M95 (Art.no.: see page 5)
- ▶ Radio remote control FFB2000-Pro (Art.no. 5243)
- ▶ Accessories set NW75/63 for loose insulation material (non-abrasive) (Art.no. 5246)
- ▶ Injection bezel universal (Art.no. 9209)
- ▶ Blow-in needle NW75-180 (Art.no. 6711)
- ▶ Hose reel NW75 D1000 plus (Art.no. 6464)
- ▶ Hose reel accessories set (Art.no. 5845)
- ▶ Density test set NW100 with case (Art.no. 4348)

Radio remote control FFB2000-Pro

Bidirectional radio communication with FM technology: The machine type Minifant M99-DS-Pro comes with the digital radio remote control FFB2000-Pro **art. no. 5154**.

All important settings and functions can be conveniently controlled from the blower's working location. Air output and material delivery rate can be adjusted in 19 steps during operation or when the machine is at a standstill. Together with the pressure signalling unit integrated in the blow-in machine, special functions such as dynamic pressure control and automatic switch-off can be used.

The FFB2000-Pro is characterised by high transmission reliability. However, in the event of radio interference, the hand control unit and the receiver can also be connected via a connecting cable supplied, thus ensuring operation.

Technical data

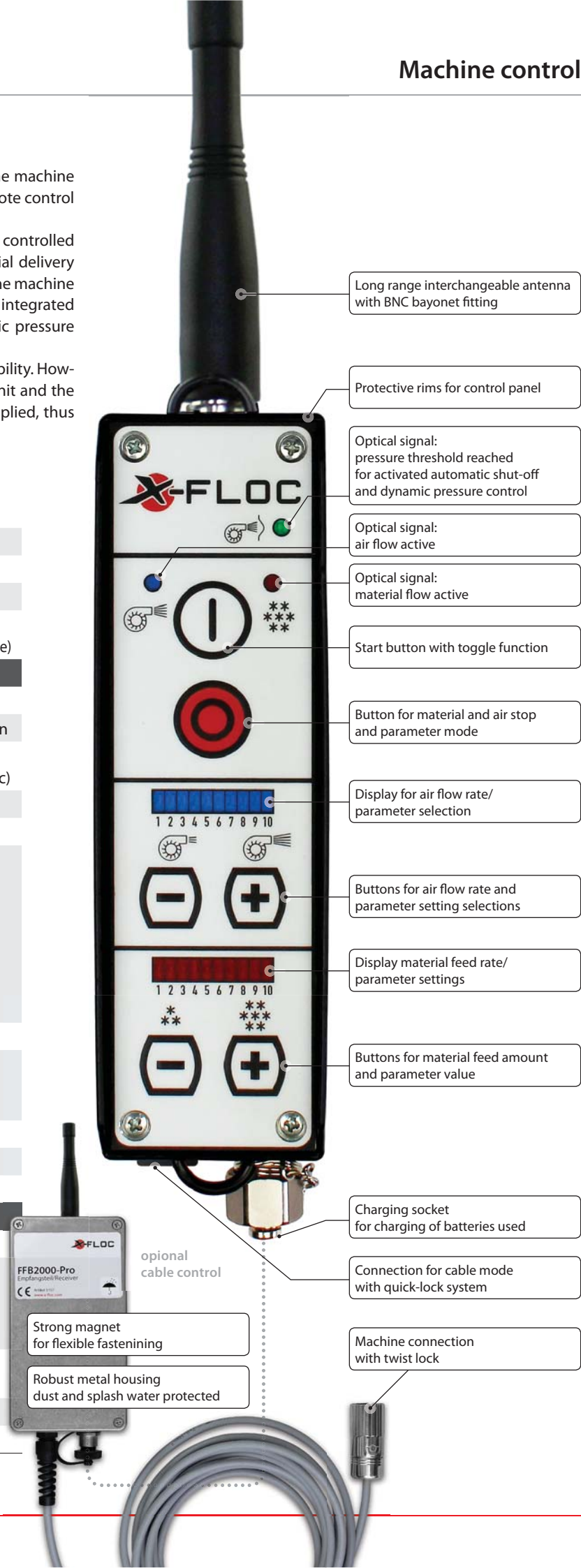
Transmission frequency	434MHz
Operating temperature range	-20°C to +40°C
Voltage supply	24V DC
Radio channels	4 (for construction sides with source of interference)

Hand-held transmitter

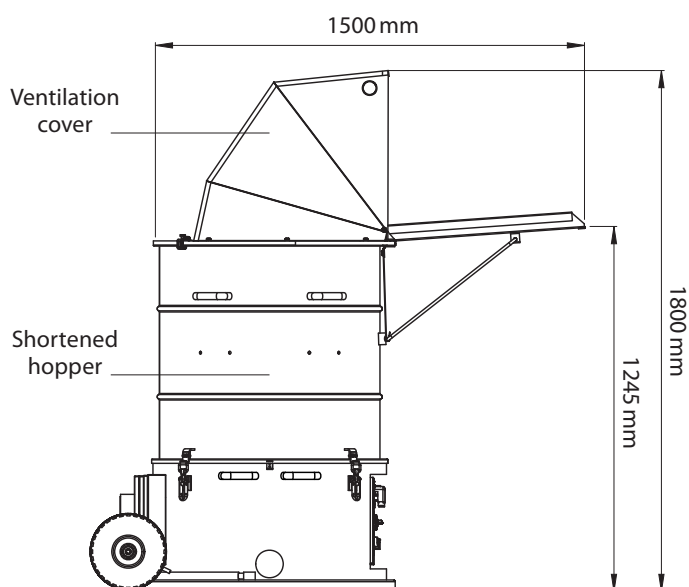
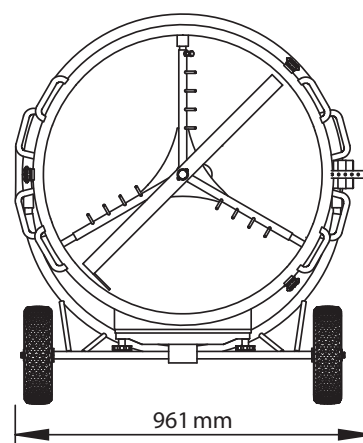
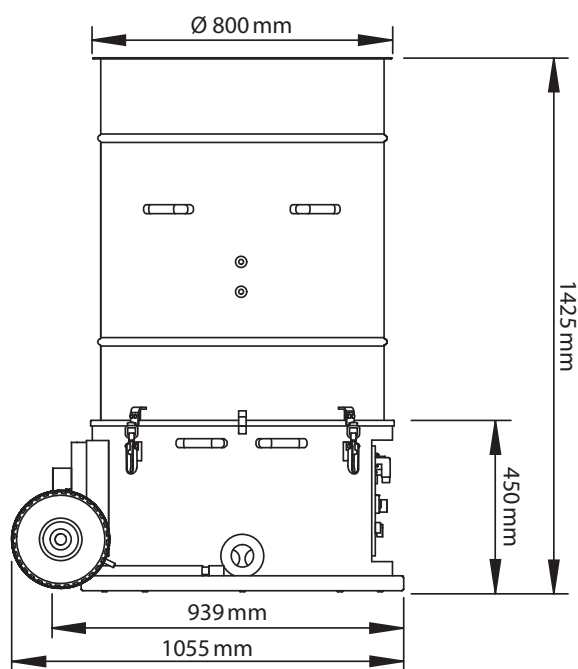
Duration of use	up to 30 hours
Range	>100m w/o interruption
Overpressure signal	LED (optical) warning tone (acoustic)
Function buttons	6 (foil keypad)
Parameter levels	10
Parameters adjustable:	
Radio channels	1-4
Switch-on delay material	0, 1, 2, ...9s
Switch-off delay air	0, 1, 2, ...9s
Delay time:	
Automatic switch-off	0, 1, 2, ...9s
Response time:	
Dynamic pressure control	50, 100, ...500ms
Protection class	IP40
Connections	Cable control Charging socket Antenna
Power supply	3x AAA NiMH 800mAh
Weight	approx. 400g
Dimensions	approx. 47x154x47mm

Radio receiver

Protection class	IP40
Connections	Control line to the machine Cable control Antenna
Power supply	24V DC (from blow-in machine)
Weight	approx. 765g
Dimensions	approx. 83x151x50mm



Dimensions



Filling, suction and cleaning

The Zellofant M95 blow-in machine is easy to fill from the top. With a few equipment options, the working comfort can be increased even further. The bag support, for example, makes it easy to place and open the insulation material delivery containers. The Zellofant M95 with shortened hopper can be filled particularly ergonomically – at a working height of approx. 1.20 metres.

For safety reasons, the short hopper must be used with a ventilation cover, which also retains whirled-up dust by means of a strip curtain. In addition to passive dust extraction, also active dust extraction and residue-free cleaning of the workplace is possible with the ventilation cover in combination with an amplifier/vacuum station and a suction drum.



Reinforcement as desired

Some insulation materials require a particularly high air volume for proper installation and certain installation situations require the use of long conveyor hoses, e.g. to overcome high gradients. Occasionally, loose insulation materials also have to be removed again.

With an amplifier/vacuum station you can supplement your blow-in machine or use it in conjunction with a suction drum for cleaning. The VS28/VS33 can be used as suction as well as pressure units and are particularly reliable due to the separate working and cooling air. They are equipped with lightweight powerful centrifugal fans and in portable compact design are the perfect complement to the Zellofant M95 insulation blow-in machine series.

Synchronous control included:

Via the potentiometer on the amplifier station, the maximum amplifier fan power is adjusted to the max. fan power of the blow-in machine. Further regulation of the amplifier blower output is synchronous with the blower signal of the blow-in machine. This means that the amplifier always works with the blower line that the processor sets on the remote control.

Main application areas of the X-Floc VS series::

- ▶ Reinforced blowing (with dust extraction)
- ▶ For large inclines, heavy insulation material
- ▶ As extraction station (cleaning or deconstruction old building materials)



Amplifier/Vacuum stations



VS28



VS33



VS55M



VS75M

Amplifier/Vacuum station					Special versions on request
Type	VS28	VS33	VS55M	VS75M	
Article number	2711	5855	9455	9793	
Amplification/cleaning	●/●	●/●	●/●	●/●	
Active dust removal	●	●	●	●	
Stepless performance regulation	●	●	●	●	
Synchronisation with machine	●	●	●	●	
Remote control	●	●	●	●	
Power	2,8 kW	3,3 kW	5,5 kW	7,5 kW	
Max. overpressure	320 mbar	350 mbar	500 mbar	600 mbar	
Max. negative pressure	280 mbar	320 mbar	450 mbar	550 mbar	
Max. air volume (nominal/measured)	440 / 360 m³/h	420 / 400 m³/h	470 m³/h*	390 m³/h*	
Air feed unit	high-powered radial compressor	high-powered radial compressor	5-stage turbine	5-stage turbine	
Outlet nozzle/intake socket	NW63 (2½") / NW75 (3")	NW63 (2½") / NW75 (3")	NW63 (2½") / NW90 (3½")	NW63 (2½") / NW90 (3½")	
Dimensions (LxWxH)	482 x 358 x 418 mm	482 x 358 x 418 mm	605 x 560 x 750 mm	605 x 560 x 750 mm	
Weight	approx. 19,5 kg	approx. 19,8 kg	approx. 65 kg	approx. 88 kg	
Operating hours counter	○	●	-	-	
Mains voltage display	○	○	-	-	

* free-blowing ● suitable/yes | ○ recommended with limitation | - not recommended/no/not specified (all values approximate)

Blow-in machines Zellofant M95 series



In use at the North Cape: Zellofant M95 with amplifier VS33



St Joseph's Church in Alta (Norway) <https://bunds Schuh-holzbau.de>



Glass fibre material test in the X-Floc lab



Attic blowing with glass fibre (NESTA SAS, France)



Sustainable insulation with cellulose



Houseboat Atelier Fluvial SARL (France)



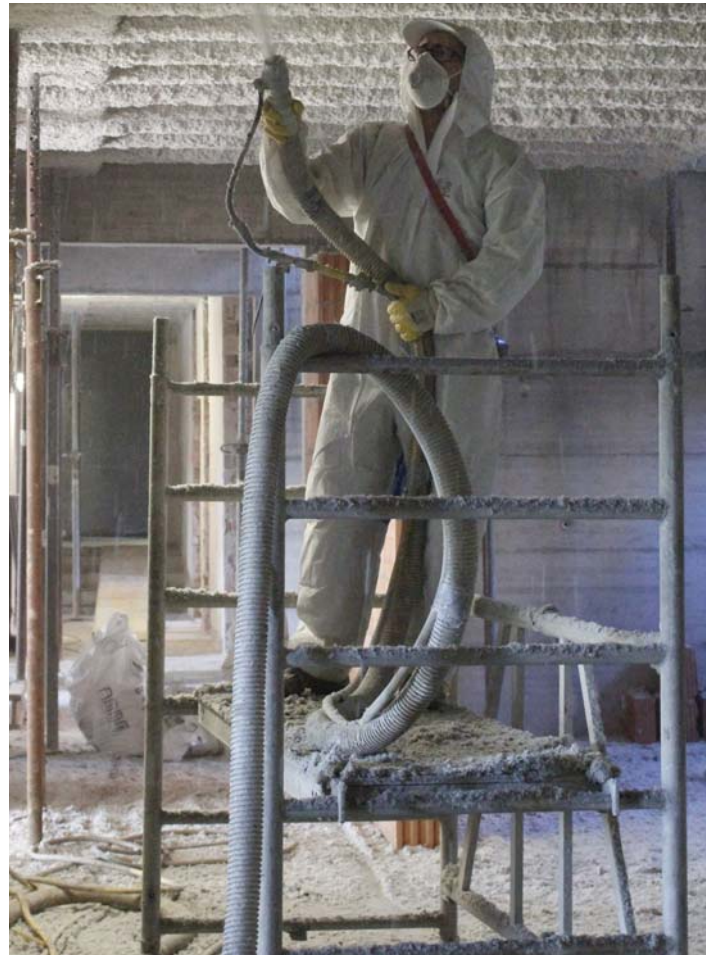
Mobile application Zellofant M95 (Derowerk, Poland)



Versatile also in terms of insulation: Zellofant M95 material test with seaweed



State-of-the-art with the Zellofant M95



Fire protection plaster applied by damp spraying ensures safety



When processing the sustainable insulating material classic cellulose



Convince yourself

Feel free to visit our social media channels and get an impression of the performance of our proven Zellofant M95 injection machines with your own eyes.

Follow us on Facebook and Instagram and/or browse through our videos:



Blow-in professionals also relies on X-Floc quality when it comes to accessories

Blow-in machines Zellofant M95 series

Machine accessories

X-Floc blow-in machines, amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable control, power generators as well as bag supports, suction drums and other machine accessories can be found in the relevant product docu.

► Further information, see brochure **Machine accessories**



Nozzles and blowing accessories

For each insulation blow-in principle and each application, tools and/or accessories are necessary for insertion, sealing and venting. Detailed information about these accessories and everything about tools such as injection nozzles, injection needles/lances as well as hole saws and sealing parts can be found in the relevant product docu.

► Further information, see brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connectors are an essential part of the blow-in equipment because they can be used to create all conceivable transport lines and circuits. Detailed information on conveying and injection hoses as well as hose connectors, hose clamps, Y-pieces and fibre switches can be found in the relevant product docu.

► Further information, see brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation manufacturers and material testing institutes, and many more. More info can be found in the relevant product docu.

► Further information, see brochure **Measurement devices**



Damp spraying

In the damp spray process, thermal insulation material is moistened with water after exiting the hose. Detailed information on spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scrubber for smooth surfaces can be found in the relevant product docu.

► Further information, see brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the blow-in professional from contact with skin-irritating insulation materials. Detailed information on the X-Floc range of workwear, dust masks, professional respirators with legal approval as well as air filters, rechargeable batteries and other accessories can be found in the relevant product docu.

► Further information, see brochure **Industrial safety/Respirators**



X-Floc Dämmtechnik-Maschinen GmbH

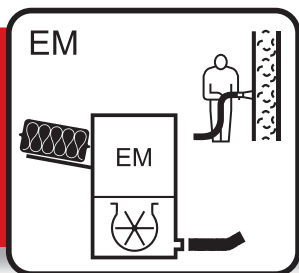
Rosine-Starz-Straße 12 · 71272 Renningen · Germany

Telefon: +49-7159-80470-30 · Fax: -40

E-Mail: info@x-floc.com · www.x-floc.com



Your X-Floc representative



Blow-in machines EM300 series

Broadly positioned for all blowing methods and insulation materials



EM320/325 | EM340/345 | EM360/365

High-performance blow-in machines

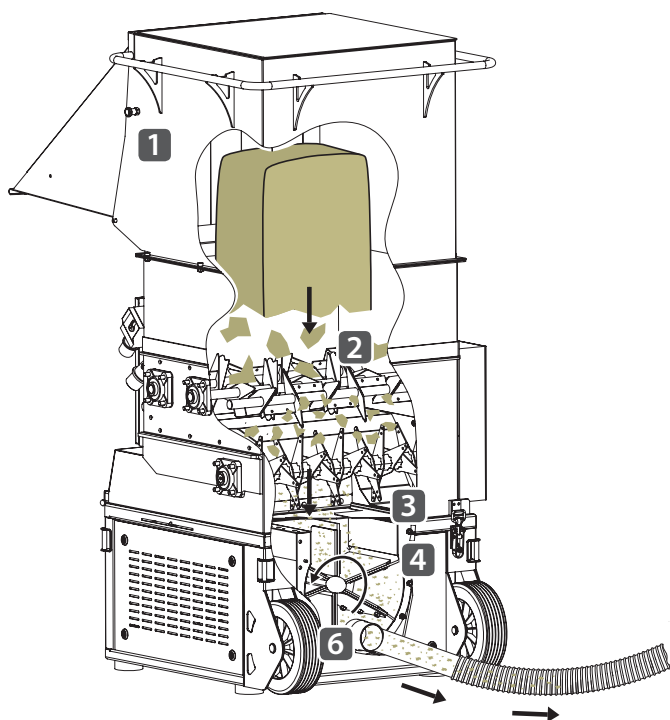
- ▶ Suitable for all approved insulation materials and all blowing methods
- ▶ Precisely controllable via cable/radio remote control
- ▶ Equipped with 230 volt and/or 400 volt connection



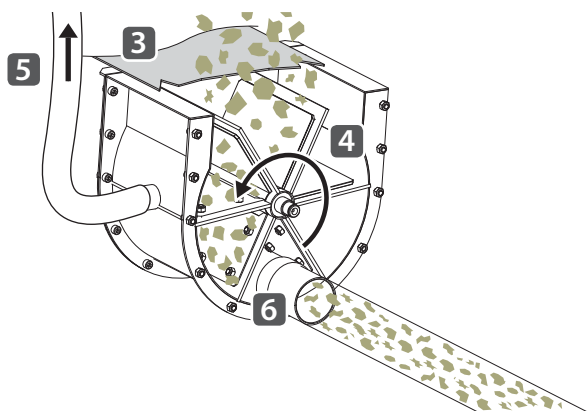
High-performance blow-in machines EM300 series

Operating principle

The insulation material fed into the blow-in machine is first coarsely broken up by the three high-speed crushing shafts and then enters the shredding unit, which ensures optimum fine disintegration. Finely crushed, the insulation material falls into the rotating rotary airlock. At the lower airlock point, the material is blown out of the airlock chamber via a blow-out nozzle and delivery hose into the component, blown open or sprayed.



Ventilation



Structure

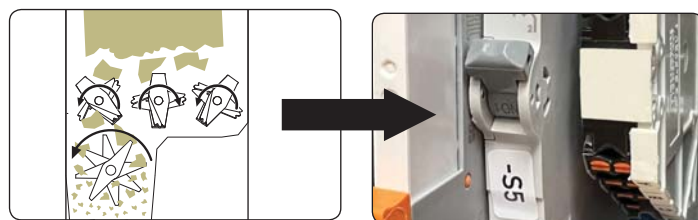
1 Hopper

The delivery isolation material container is placed on the opened bag support, opened and pushed through the strip curtain into the storage container. The hopper lid can be removed for filling material from above.

2 Material conditioning unit

The powerful material conditioning unit consists of three wear-free, low-maintenance crushing shafts and a large chipping shaft. For processing EPS granulates, for example, the scarifier can be switched off in the control box (switch S5).

Switching off the material conditioning unit



3 Airlock feed gate

The EM300 series is equipped with a rotational speed controller and a manual airlock feed gate for metering the amount of material as standard.

With the optional electric airlock feed gate, the material quantity and other important settings can be made directly from the workplace using the remote control during or between injection processes.

4 Rotary airlock

The finely broken down insulation material is transported to the blow-out nozzle via the chambers of the rotating rotary airlock. Acceleration is provided by the air flow generated by the turbine and/or high-performance radial compressors.

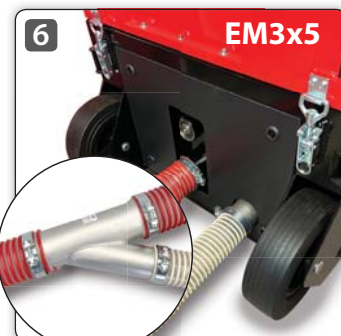
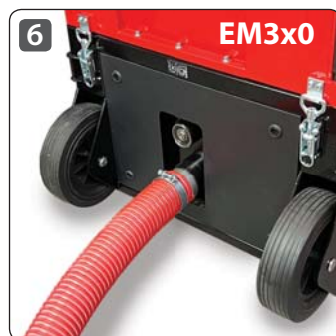
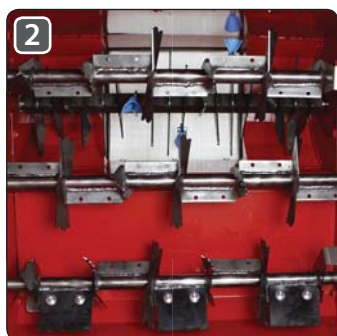
5 Airlock ventilation

The airlock venting system significantly increases the efficiency of the airlock and at the same time prevents dust from being whirled up in the filling unit.

6 Airlock outlet

The EM300 series is equipped with a NW75 (3") or NW90 (3½") airlock outlet (material and air) as required. A direct reduction is optionally possible.

The EM3x5 variants with integrated amplifier have an additional NW63 (2½") outlet nozzle (air). The amplifier air is routed past the airlock and fed externally into the delivery hose via a Y-piece. This serves to optimise the performance.



Blow-in machines of the EM300 series

The compact high-performance blow-in machines of the EM300 series are characterised by their particular performance and their versatility in terms of processing materials.

Cellulose, wood fibre, mineral fibre, granulates and many others: almost all insulation materials can be processed excellently with the machines of the EM300 series.



Thereby a hinged storage surface facilitates the filling with bagged material. The transparent strip curtain reduces dust leakage and for processing granulates and other loose bulk materials, the upper cover of the storage container can be removed and the blow-in machine filled from above.



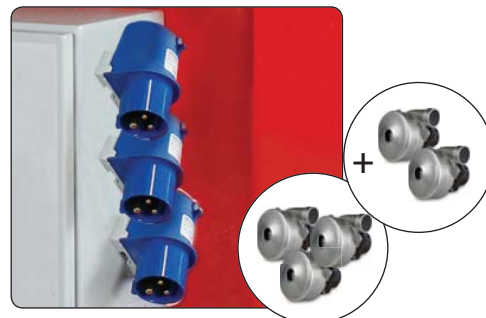
All injection methods are possible with the EM300 series blow-in machines. A motor-driven turbine and several radial compressors ensure maximum performance. These machines also master very demanding conditions effortlessly without additional modules.

An optimum of possibilities: The EM300 machine types are available with 400V and/or 230V power supply. Depending on the application and requirements, the machine (e.g. 3x230V) can also be operated with only one or two occupied connections.

EM320



EM325



EM340



EM345



EM360



EM365



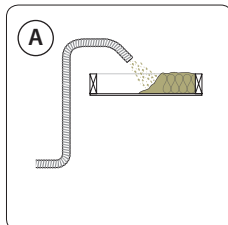
High-performance blow-in machines EM300 series

Blow-in methods and insulation material

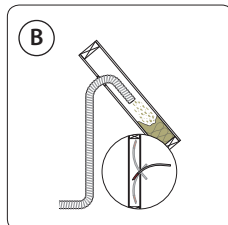
The different building styles and the different types of construction require different working methods. In addition, the amount of air and pressure required for optimal processing also depends on the insulation material, for example.

The X-Floc machines of the EM300 series are virtually an all-round solution in terms of both the blowing method and the insulation material. There are almost no limits to the processing of loose insulation materials.

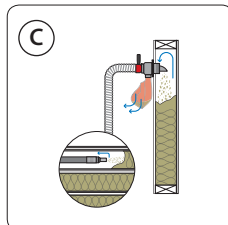
Open/attic blowing



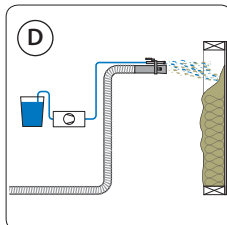
Dry injection



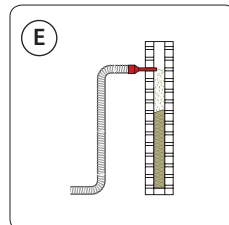
Dry injection with ventilation



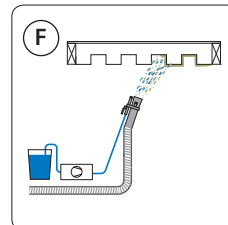
Damp spraying/CSO



Cavity wall insulation



Fire protection



Blow-in insulation material product groups

Cellulose

ALISANAT, Arbocel Climasafe, Cellisol 300, Cellisol 500, Warmcel, Warmcel 500, Zellofix, Ouatex, Eurocellulose, cellulose V1, Vosges Cellulose, Eurocellulose SB, cellulose V3 SB, Vosges Cellulose S B, FranceFloc B, EcoFloc B, Cell la vie B, Néocell B, Optimum MP, Climacell S, Climacell pure, Climacell akust, Climacell inside, Climacell sonic, cellfloc, climacell Loft, climacell InduTec, climacell HSX, climacell FSX, climacell Green Nature, Unifloc, Witherm, DÄMMSTATTs CI 040, KLIMA-TEC-FLOCK, biocell, DÄMMSTATTs CI Dämmerschüttung, DÄMMSTATTs CI 040 bf, KLIMA-TEC-FLOCK bf, biocell bf, DÄMMSTATTs CI Dämmerschüttung bf, DAEMMSTATT D, Isocell D, Trendisol D, Dobry-Ekovilla D, DAEMMSTATT D bf, Isocell D bf, Trendisol D bf, Dobry-Ekovilla D bf, Isocell P, Isocell P for you, FLOCO'MOBIL Dämmflocke, Floci-Cell, naturheld Holzfaser Einblasdämmung, WoodyCell+, WoodyCell Plus, WOODYCELL, isofloc, isofloc L, isofloc L+, isofloc LW, isofloc LM, swissfloc, isofloc eco, isofloc neo, easyfiber, CelluBOR SW, OUATECO PREMIUM, JUST BE GREEN, ISOL+, OUATECO, OUATECO NATURE, STEICOfloc, STEICOfloc NB, THERMOFLOC F, THERMOFLOC B, GREENFLOC, Klima-super, Isocell, trendisol, Isolek, Dobry-Ekovilla, Fibra-Natur, Domexcell, Pavafloc, Renocell, Isolare, Poesis, isECO, ISOCELL F, greenwool, clima-super Evolution, Isocell Evolution, greenwool Evolution, isECO green, clima-super lambda+, clima-super max, Isocell lambda+, greenwool lambda+, isECO lambda+, isECO max, trendisol lambda+, Wolfinger Zellulosedämmung, STT Floc, Ekovilla, Ekovilla Puru, Ekovilla IA, Isonem, Isolet, UpCell, GreenCell, Climatizer plus, Thermocel, La cellulosa, Easycell, Celisol, Isocell EU 01, WarmFiber, WarmFiber Plus, Termex, Termex Green, Ekocell, Ekocell Green, Kätevå, Kätevå Green, iQ3 CELLULOSE, CELLIPURE, ISOLANT ECOLOGIQUE SEMI, DOMOSANIX, CELLECO etc.

Wood fibre

GUTEX Thermofibre/FQ, WOODYCELL SW, AIRFLEX, best wood FIBRE, Hoiz, Jasmin, STEICO zell, Thermocell in-situ formed loose fill insulation, Termoträ Original, Termoträ Fire Protect etc.

Mineral fibre

InsulSafe, Supafil Cavity Wall, Supafil Loft Plus, Supafil Timber Frame, Supafil Max Frame, Teko-Flock, Indi-Flock, Trendi-Flock, swissporROC, COOMBLISSIMO, FLOCOLENE, TECHWOOL, Fillrock KD Plus, Fillrock KD, Fillrock RG Plus, Fillrock RG, Conlitt Firesafe, PAROC BLT 5, DOSSOLAN THERMIQUE etc.

Mineral granules

BIT Perlit Bachl, HY Perlit Bachl, Neopor, Hyperdämm, Hyperlite KD, Thermoperl, 2K Perlit Flachdachdämmung, Extraperl S4, Thermo-Fill, Thermo-Floor, Thermo-Plan, Thermo-Roof, ISOPLUS100 BEPS-WD, SLS 20F, SLS20 Plus, Perli-Fill, Poraver Blähglas-Granulat, Bauhaus DSX100, Geocell Blähglas, JASS Wärmedämmschüttung, Liaver, NEVOLIT etc.

EPS granules

ThermoWhite WD 100 R, ISO Plus BINDER WD 100R, ThermoWhite WD 70 R (RN), ThermoWhite WD 130 R, HIRSCH PoroBead 033, H2 Wall, Granublow 033, HIRSCH Poro-Bead Plus, H2 Wall Plus, Granublow Plus, Isocell Pearl, RigiBead Premium 033, RigiBead 035, SwissporEPS Perlen, SwissporEPS Styromull, airpor level 3.0, airpor level 3.0 A, airpor rapid, airpor light, BACHL niveauTHERM 160 Premium, BACHL niveauTHERM 160 Premium-PLUS, BACHL niveauTHERM 400 Premium, BACHL niveauTHERM 400 Premium-PLUS, HK33, TF Pearls, GRANU-PUR, Neopixels Premium HR Insulation, thermotec BEPS-WD 130R, thermotec BEPS-WD 70N, Ecofibre EPS 033 Kerndämmung etc.

Fire protection plaster and other insulation material

ISOVER FireProtect 150, ISOVER FireProtect 150F, DOSSOLAN THERMIQUE, DOSSOLAN 3000, DOSSOLAN-HOECO F II/1, Cafco-BLAZSHIEKD DC/F, Cafco-300, FIBREXPAN, Hanf-Dämmwolle HDW, AgriCell BW, Einblasstroh, Bio-Einblasstroh, Thermostroh, Thermostraw, Blown straw insulation, Plantacell, Stroheinblasdämmung, SonnenStroh, SunStroh, Blowstraw, Blow-in straw, Loose fill straw insulation, SonnenKlee-Einblasstroh, GREENFLOC, Thermofloc-Dämm pellets, G-tec gebundener Dämmkork, Iso-Stroh, Flachs-floc, Lopas-Strohhäcksel-dämmung, CEMWOOD CW 1000 / CW 2000, ISOLENA-BLOCK, ISOLENA-OPTIMAL, ISOLENA-PREMIUM, ISOLENA-KLEMMFILZ, ISOLENA-OPTIMAL PLUS, MEHABIT, MEHAPORT, MEHAS-PORT, NeptuTherm, Calor, THERMO JUTE DUO, THERMO JUTE 100, THERMO JUTE 100 PLUS, Métisse Flocon, FonaTerm - granular, REINFLOCK, Conluto, JOMApertl etc.







Table does not claim to be complete. X-Floc will check other products upon request.



High-performance blow-in machines EM300 series

Which blowing machine for your application?

The machines of the EM300 series are suitable for all insulation materials and blowing methods. However, you can choose a design optimally matched to your needs from the various machine types. Contact us - we will be happy to advise you!

EM300 series						
Machine type	EM320-2x230V/7,0kW	EM325-3x230V/10,2kW	EM340-400V/7,3kW	EM345-400V/10,5kW	EM360-400V/5,9kW	EM365-400V/9,2kW
						
		Amplifier integrated		Amplifier integrated		Amplifier integrated
Article number	5760	6971	5770	7129	6007	6268
Power/Material processing speed	1050kg/h	1250kg/h	1200kg/h	1400kg/h	1200kg/h	1400kg/h
Hopper	0,315m³	0,315m³	0,315m³	0,315m³	0,315m³	0,315m³
Airlock outlet ø	NW75 (3") or NW90 (3½") optional direct reduction to NW75 (3")					
Dimensions (LxWxH)	990x830x1740mm	990x830x1740mm	990x830x1740mm	990x830x1740mm	990x830x1740mm	990x830x1740mm
Unladen weight	257kg	270kg	265kg	273kg	280kg	302kg
Filling height	1250mm	1250mm	1250mm	1250mm	1250mm	1250mm
Airlock ventilation	●	●	●	●	●	●
Dust removal/Support for bags	passive (strip curtain) / active (dust extraction)					
Machine control	Cable remote control KFB2000 or radio remote control FFB2000-Pro					
Material conditioning	Crusher shafts (3 rotating shafts) disengageable for processing of bulk material (e. g. EPS granules)					
Shredder	●	●	●	●	●	●
Airlock feed gate adjustable	Continuously manually / with electrically adjustable airlock feed gate (optional)					
Airlock rotational speed adjustable	10 levels cable remote control KFB2000 / 19 levels radio remote control FFB2000-Pro					
Automatic blowing	●	●	●	●	●	●
Pressure relief valve	optional	optional	optional	optional	optional	optional
Air generator	3 high-powered radial compressors 2x1,8kW + 1x1,45kW	5 high-powered radial compressors 3x1,8kW + 2x1,45kW	3 high-powered radial compressors 2x1,8kW + 1x1,45kW	5 high-powered radial compressors 4x1,8kW + 1x1,45kW	Turbine 4,0kW	Turbine 4,0kW and 2 high-powered radial compressors 3,3kW
Dynamic pressure max. (adjustable)	360mbar	375mbar	405mbar	400mbar	400mbar	420mbar
Air feed amplification	External amplification optional e. g. X-Floc Amplifier/vacuum station VS28/VS33, VS55M/VS75M					
Air volume (nominal/measured)	590/480m³/h	995/765m³/h	585/500m³/h	960/785m³/h	380/375m³/h	795/660m³/h
Aspiration with suction hood (cleaning/dust extraction)	●	●	●	●	●	●
Conveying height (w, w/o amplifier)	>45m	>70m	>45m	>70m	>45m	>70m
Hose length L=max.	150m	200m	180m	200m	180m	200m
Motor	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW	1x3-phase, 1,1kW and 1x3-phase, 0,75kW
Power rating	7,0kW	10,2kW	7,3kW	10,5kW	5,9kW	9,2kW
Power supply	2x230V/50Hz/16A	3x230V/50Hz/16A	400V/50Hz/3x16A/N/PE	400V/50Hz/3x16A/N/PE and 1x230V/16A	400V/50Hz/3x16A/N/PE	400V/50Hz/3x16A/N/PE and 1x230V/16A
Max. material packing density	220kg/m³	220kg/m³	220kg/m³	220kg/m³	220kg/m³	220kg/m³

Compatibility table																																
Cellulose	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	
	Suitability	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-	
Wood fibre	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	
	Suitability	●	○	○	-	○	-	●	●	●	-	○	-	●	●	●	-	●	-	○	-	●	●	●	-	○	-	●	●	●	-	●
Mineral fibre	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	
	Suitability	○	○	○	○	○	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-	●
Mineral granules	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	
	Suitability	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●	-	-	-	○	●	●
EPS granules	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	
	Suitability	-	-	-	-	●	-	-	-	-	●	-	-	-	-	-	-	●	-	-	-	-	●	-	-	-	-	-	-	●	-	-
Fire protection plaser, Others	Applications	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	
	Suitability	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●





A = Open/attic blowing | B = Dry injection | C = Dry injection with ventilation | D = Damp spraying/CSO | E = Cavity wall insulation | F = Fire protection

● suitable/yes | ○ recommended with limitations | - not recommended/no/- not specified All values approximate.

High-performance blow-in machines EM300 series

Equipment options

		Art.no.
	Radio remote control FFB2000-Pro Bidirectional radio technology, four radio channels, high transmission reliability	5243
	Electrical airlock feed gate for machine type EM32x for machine type EM34x/EM360 remote controlled with FFB2000-Pro	7448 6356
	Direct extension NW75>NW90 Airlock outlet nozzle for extension of NW75 (3") > NW90 (3½), suitable for delivery hose NW90	6746
	Mains voltage indicator for 230V power supply Installation in EM32x for detection of voltage supply fluctuations	4604
	Mains adapter distributor 400V-CEE > 3x230V-Schuko with connection cable, for machine type EM32x	9481
	Fastening element set for safe transport mounting of an EM3xx on a horizontal surface	10372
	Mains adapter Phases and neutral conductor monitoring 400V with interruption protection for machine type EM34x/EM360	4553
	Mains adapter 400V/16A, 25m ring with CEE plug and CEE coupling, 5-pole, 16A	2492
	Mains adapter socket strip 400V/32A > 2x400V/16A with CEE-plug, 5-pole and 2m cable for machine type EM365	7273
	Mains adapter 400V/32A, 10m ring with CEE plug and CEE coupling, 5-pole, 32A	6588
	Direct reducer NW75>NW63 Reducer NW75 (3") > NW63 (2½"), for insertion into the airlock outlet nozzle of the blow-in machine	526
	Direct reducer NW75>NW50 Reducer NW75 (3") > NW50 (2"), for insertion into the blow-out nozzle of the blow-in machine	1972

		Art.no.
	Suction drum V=115l with swivelling lid. Tape fabric bags and connection parts included in the scope of delivery.	1160
	Suction drum V=250l with swivelling lid. Tape fabric bags and connection parts included in the scope of delivery.	3075
	Emergency stop button with housing Suitable for all machines with remote controls KFB2000, FFB2000 or FFB2000-Pro	5863
	Power distributor 400V/16A PRCD-S Type B, mobile, with integrated all-current sensitive residual-current protection	9271

Sample order size

Example: High-performance blow-in machine EM365



- ▶ EM365 (Art. no. 6268)
- ▶ Radio remote control FFB2000-Pro (Art. no. 5243)
- ▶ Accessories set NW75/63 for loose insulation material (non-abrasive) (Art. no. 5246)
- ▶ Injection bezel universal (Art. no. 9209)
- ▶ Blow-in needle NW75-180 (Art. no. 6711)
- ▶ Hose reel NW75 – D1000 plus (Art. no. 6464)
- ▶ Hose reel accessories set (Art. no. 5845)
- ▶ Density test set NW100 with case (Art. no. 4348)

Radio remote control FFB2000-Pro

With the aid of the remote control, many important settings for the injection process can be made directly from the work site. For this purpose, the KFB2000 cable control unit is included in the standard scope of delivery for all machines in the EM300 series.

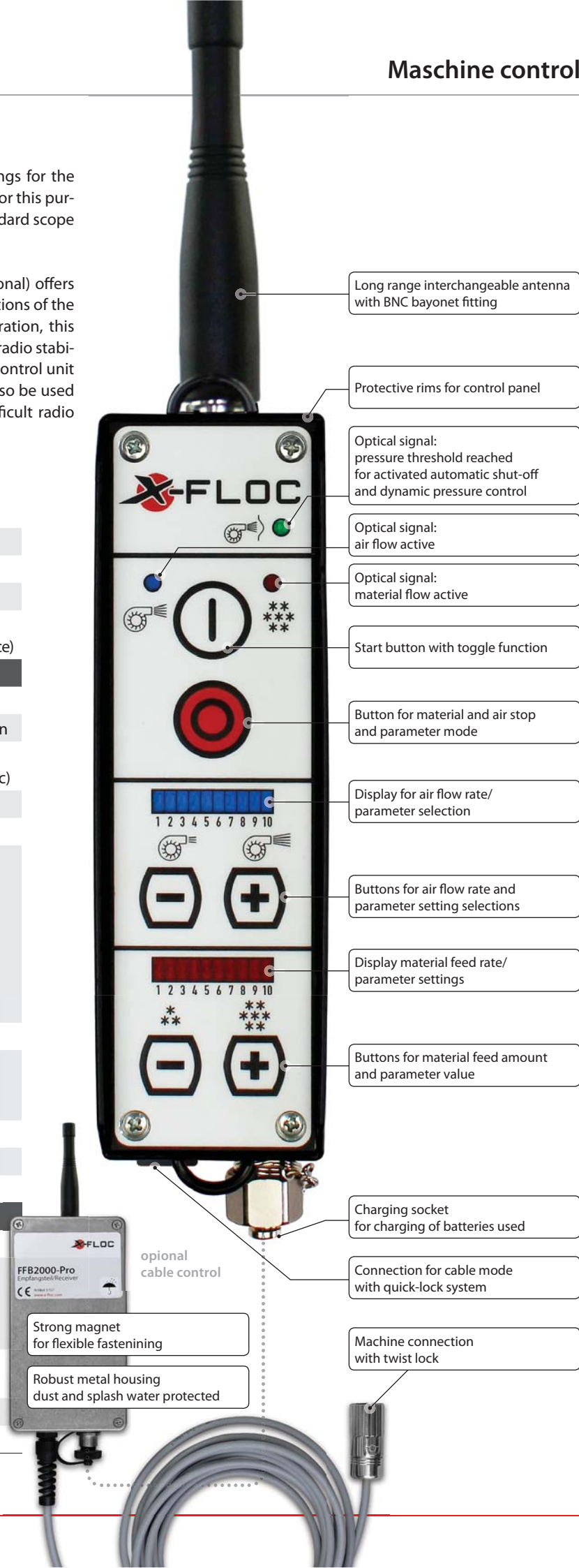
The bidirectional radio remote control FFB2000-PRO (optional) offers some additional functions over and above the proven functions of the KFB2000. In addition to its compact size and simple operation, this control is characterised by very fast response and excellent radio stability. With an optional connecting cable between the hand control unit and the receiver, the FFB 2000-Pro radio control unit can also be used as a cable control unit (e.g. on construction sites with difficult radio connections).

Technical data

Transmission frequency	434MHz
Operating temperature range	-20°C to +40°C
Voltage supply	24V DC
Radio channels	4 (for construction sides with source of interference)

Hand control unit	
Duration of use	up to 30h
Range	>100m w/o interruption
Overpressure signal	LED (optical) warning tone (acoustic)
Function buttons	6 (foil keypad)
Parameter levels	10
Parameters adjustable:	
Radio channels	1-4
Switch-on delay material	0, 1, 2, ...9s
Switch-on delay air	0, 1, 2, ...9s
Delay time:	
Automatic switch-off	0, 1, 2, ...9s
Response time:	
Dynamic pressure control	50, 100, ...500ms
Protection class	IP40
Connections	cable control charging socket antenna
Power supply	3x AAA NiMH 800mAh
Weight	approx. 400g
Dimensions	approx. 47x154x47mm

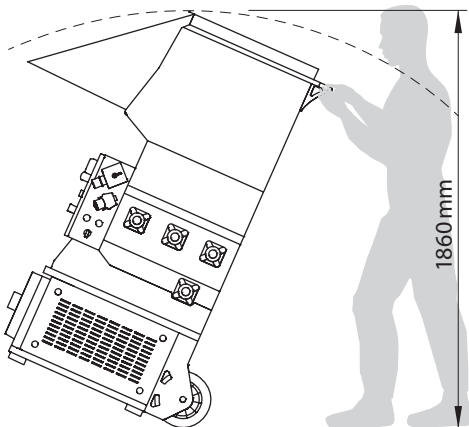
Receiver	
Protection class	IP40
Connections	control line to the machine cable control antenna
Power supply	24V DC (from blow-in machine)
Weight	approx. 765g
Dimensions	approx. 83x151x50mm



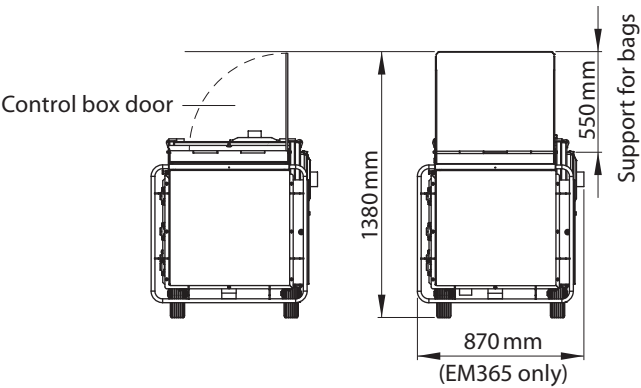
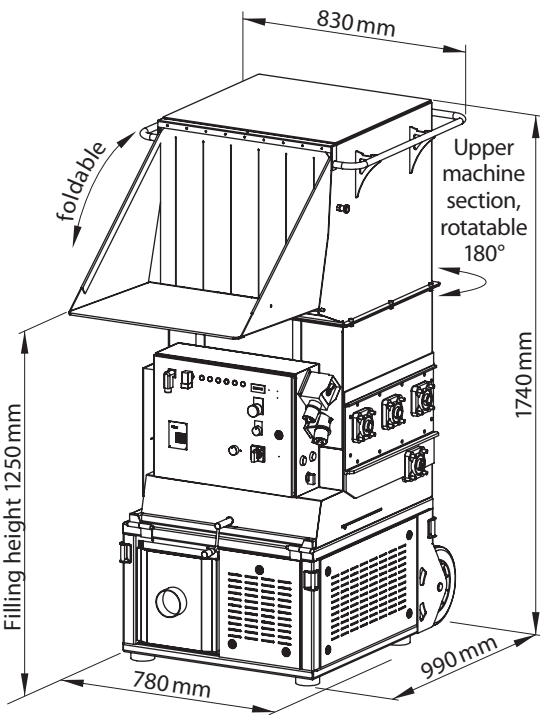
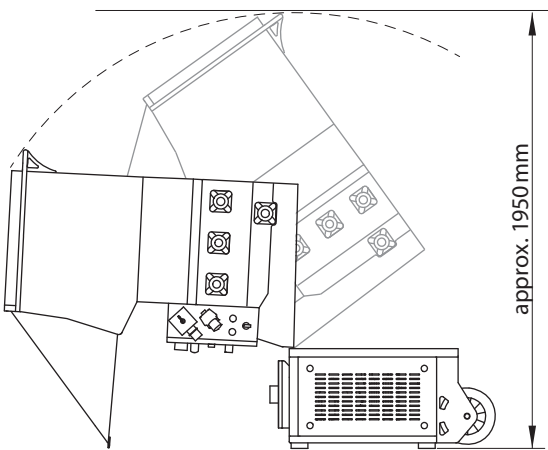
High-performance blow-in machines EM300 series

Dimensions

Maximum tipping height



Maximum opening height



Mobility and ease of maintenance

All machines of the EM300 series impress with their robust design and compact dimensions. In relation to their high performance, they are easily manoeuvrable and, thanks to the site-ready tyres, they can be manoeuvred like a sack truck.

The upper machine section can be folded down, whereby the bag support can serve as a second leg. In this way, all machine elements are easily accessible and the necessary maintenance work can be carried out with a light hand.



Reinforcement as desired

The EM3x5 machine types are equipped with an integrated amplifier unit as standard. Optimised in this way for air performance, these blow-in machines can cope with virtually any challenge, even under difficult conditions.

These include, for example, insulating materials that require a particularly high air volume for professional installation. Occasionally, certain installation situations also require the overcoming of large incline heights or the use of long delivery hoses. In the meantime, loose insulation materials also have to be removed from time to time.

For this purpose, the EM3x0 machine types can be perfectly supplemented with an external amplifier/vacuum station and used in conjunction with a suction drum for active dust extraction or cleaning.

The amplifier/vacuum stations are also equipped with light, powerful radial fans or turbines. They are available as standard in the compact portable version (VS28/VS33) or mobile version with hand truck function (VS55M/VS75M); special versions are also available on request.

Main application areas of the X-Floc VS series::

- ▶ Reinforced blowing (with dust extraction)
- ▶ For large inclines, heavy insulation material
- ▶ As extraction station (cleaning or deconstruction old building materials)



Amplifier/Vacuum stations



VS28



VS33



VS55M



VS75M

Amplifier/Vacuum station					Special versions on request
Type	VS28	VS33	VS55M	VS75M	
Article number	2711	5855	9455	9793	
Amplification/cleaning	●/●	●/●	●/●	●/●	
Active dust removal	●	●	●	●	
Stepless performance regulation	●	●	●	●	
Synchronisation with machine	●	●	●	●	
Remote control	●	●	●	●	
Power	2,8 kW	3,3 kW	5,5 kW	7,5 kW	
Max. overpressure	320 mbar	350 mbar	500 mbar	600 mbar	
Max. negative pressure	280 mbar	320 mbar	450 mbar	550 mbar	
Max. air volume (nominal/measured)	440 / 360 m³/h	420 / 400 m³/h	470 m³/h*	390 m³/h*	
Air feed unit	high-powered radial compressor	high-powered radial compressor	5-stage turbine	5-stage turbine	
Outlet nozzle/intake socket	NW63 (2½") / NW75 (3")	NW63 (2½") / NW75 (3")	NW63 (2½") / NW90 (3½")	NW63 (2½") / NW90 (3½")	
Dimensions (LxWxH)	482 x 358 x 418 mm	482 x 358 x 418 mm	605 x 560 x 750 mm	605 x 560 x 750 mm	
Weight	approx. 19,5 kg	approx. 19,8 kg	approx. 65 kg	approx. 88 kg	
Operating hours counter	○	●	-	-	
Mains voltage display	○	○	-	-	

* free-blowing ● suitable/yes | ○ recommended with limitation | - not recommended/no/not specified (all values approximate)

High-performance blow-in machines EM300 series



Filling the machine with the natural insulation material



Function test of insulation material and blowing machine



Implementation in practice after passing the test



Actively combating global warming with natural insulation

Suitable for the CO₂ sink

Concepts for sustainable building are urgently required. Hemp concrete is a natural composite material consisting mainly of the shives of the hemp plant and a lime-based binder. It is used as a natural insulating material for walls, roofs and floors as well as an insulating plaster and, thanks to its negative CO₂ balance, it acts as a CO₂ sink.

Applying hemp lime by spraying requires the most suitable machine: the EM300 series has proven both in tests and in subsequent practice that it is rightly regarded as a safe investment. With the machines of this series, all imaginable insulation materials on the global market can be processed using the appropriate method.

Convince yourself

Feel free to visit our social media channels and get an impression of the performance of our EM300 injection machines with your own eyes. For example:

Damp spraying with Hempcrete Watch video:



Dust extraction and cleaning

Thanks to the closed filling concept (including a strip curtain), dust emission is already significantly reduced during the filling and blowing-in process. Optionally, the machine can also be equipped for active dust extraction.

With the suction drum required for this as a collection container, it is also possible to clean the work site or construction site. For this purpose, the suction barrel is connected to the suction bonnet of the EM300. In addition, in conjunction with a fluff diverter, it is possible to switch quickly between blowing and suction.

► For more info, see brochure **Hoses and connectors**

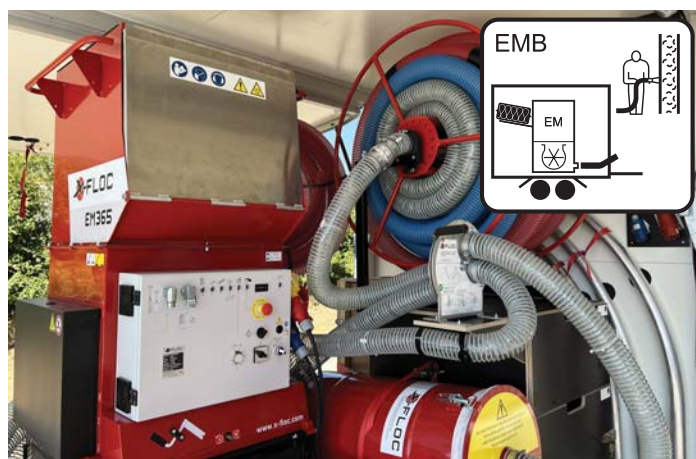


Blow-in trailers - everything directly on site

Thermal and acoustic insulation, fire protection or special effects: the speed and the clean filling of the cavities make the insulation blow-in method the first choice for many areas of application. With the insulation blow-in mobile, the blow-in process becomes even more efficient and also enables flexible use.

The blow-in machines of the EM300 series are ideally suited for the installation into a X-Floc blow-in mobile. The machine is optimally placed on the fully equipped trailer, transport vehicle or container. For this purpose, a system plan with hosing and electrical installation is worked out. In addition, a secure stowage solution is prepared for each piece of equipment. In many cases, the blow-in trailers also offer storage space for the insulation material. X-Floc realises customised trailers as well as vehicle superstructures and extensions according to the customer's wishes.

► For more info, see brochure **Insulation blowing mobiles**



Tarpaulin trailer

Tarpaulin trailers in freely selectable dimensions offer space for the ergonomic arrangement of the workplace, a variety of configuration options as well as additional space for further material. They are also suitable for long distances and, due to their low overall weight, for smaller towing vehicles. The large exterior surfaces can be printed with individual customer advertising.

Box trailer

Single-axe box trailers and tandem trailers are also well suited for small towing vehicles, are approved for speeds of 100 km/h and are suitable for short and long distances. These trailers also offer increased theft protection and large exterior surfaces for individual advertising. As standard, all box trailers are available with a two-wing rear door or drive-on flap.



Container

Made of rustproof aluminium, weather-resistant wood and whatever the shape: X-Floc realises system workplaces in containers – tailor-made and well thought-out down to the last detail – very suitable for the blow-in professional as well as for the rental service. On request, the containers are available with compressed air supply and power generator as well as a solution for flatbed vehicles/trailers.



High-performance blow-in machines EM300 series

Machine accessories

X-Floc blow-in machines, amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable control, power generators as well as bag supports, suction drums and other machine accessories can be found in the relevant product docu.

► Further information, see brochure **Machine accessories**



Nozzles and blowing accessories

For each insulation blow-in principle and each application, tools and/or accessories are necessary for insertion, sealing and venting. Detailed information about these accessories and everything about tools such as injection nozzles, injection needles/lances as well as hole saws and sealing parts can be found in the relevant product docu.

► Further information, see brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connectors are an essential part of the blow-in equipment because they can be used to create all conceivable transport lines and circuits. Detailed information on conveying and injection hoses as well as hose connectors, hose clamps, Y-pieces and fibre switches can be found in the relevant product docu.

► Further information, see brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation manufacturers and material testing institutes, and many more. More info can be found in the relevant product docu.

► Further information, see brochure **Measurement devices**



Damp spraying

In the damp spray process, thermal insulation material is moistened with water after exiting the hose. Detailed information on spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scrubber for smooth surfaces can be found in the relevant product docu.

► Further information, see brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the blow-in professional from contact with skin-irritating insulation materials. Detailed information on the X-Floc range of workwear, dust masks, professional respirators with legal approval as well as air filters, rechargeable batteries and other accessories can be found in the relevant product docu.

► Further information, see brochure **Industrial safety/Respirators**



X-Floc Dämmtechnik-Maschinen GmbH

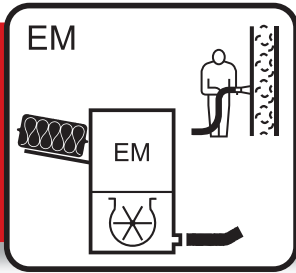
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Your X-Floc representative



Insulation blow-in machine EM400 series

High-performance machine for mobile and stationary use



EM400 | EM430 | EM440

High-performance insulation blow-in machines

- ▶ Suitable for all approved insulation materials and all blowing methods
- ▶ Precisely controllable via cable/radio remote control
- ▶ Low-dust filling with extraction options



High performance insulation blow-in machines EM400 series

Operating principle

1 Hopper

The insulation bale is placed on the opened bag support, opened and pushed through the strip curtain into the hopper.

2 Agitator and feeding shafts

Four rotating shafts break up the material into small pieces and transport them to the airlock inlet. The shredding shafts ensure optimum preparation of a wide variety of blown-in insulation materials.

3 Electrical airlock feed gate

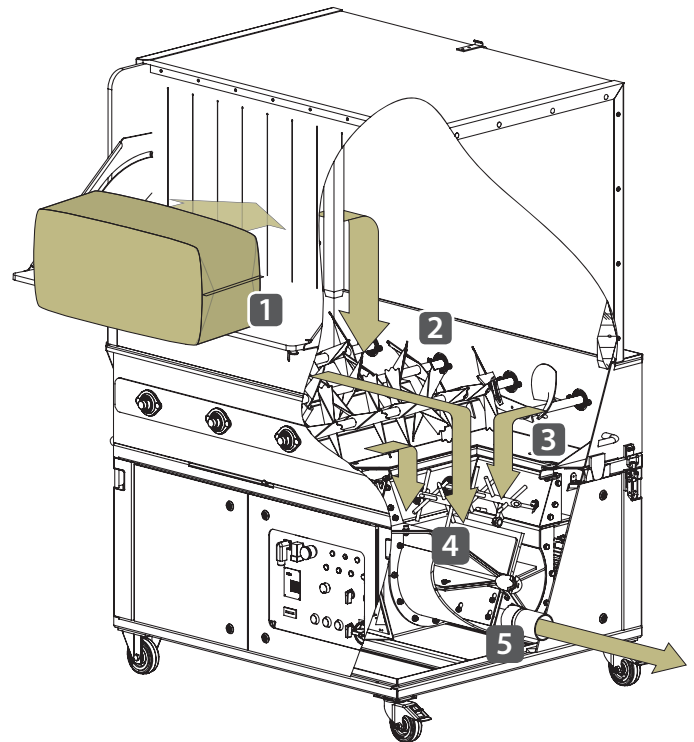
As standard, the material feed rate into the shredder is metered by setting (via remote control) the airlock feed gate position.

4 Shredder

Fast rotating shredding shafts loosen the material completely and actively convey it into the chambers of the rotary airlock.

5 Rotary airlock

The moving rotor picks up the insulating material and transports it in portions downwards to the outlet nozzle. From there, the material is accelerated by the air flow of the turbines or radial compressors and blown through the conveyor hose to the installation site. The airlock venting ensures a significantly increased efficiency and avoids dust turbulence in the hopper.



Material quantities and processing

All X-Floc insulation blow-in machines are equipped with high-quality and very airtight airlocks. The EM400 series uses a particularly robust and thick-walled steel airlock, which is also optimally suited for processing large quantities of abrasive insulation materials such as glass and rock wool. The material feed rate is adjusted using the cable control supplied or an optional radio remote control.

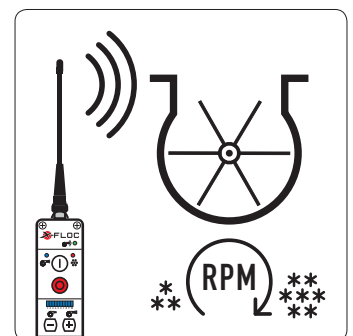
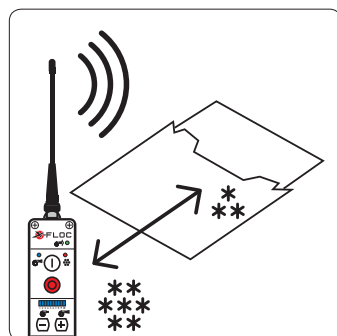
High-volume hopper

With a capacity of 1000 litres, the hopper of the EM400 series has a very large storage volume, sufficient for approx. 5-6 bags of commercially available insulation material. A hinged bag support facilitates the depositing, opening and feeding of sacks. The transparent strip curtain prevents dust from escaping. The suction nozzle on the side of the hopper also makes active dust extraction possible. In addition, the lid of the hopper can be removed and the insulation material can be filled from above.

DS option: Adjustable speed of the airlock rotor

The rotary airlock can be optionally equipped with a speed control, which is also adjusted by means of cable or radio remote control. In the EM400 series, the material feed rate can be controlled via the electric airlock feed gate fitted as standard. Extended by the DS option, the machines of the EM400 series offer various additional adjustment opportunities. These include, for example:

- ▶ Refined material quantity control with small throughput quantities, e. g. for injection with a small nozzle diameter
- ▶ Precise flow rate control when injecting bulk materials
- ▶ Increasing the speed when greater demands are made on the uniformity of the material flow, e.g. with damp spraying
- ▶ Reduce the speed when processing highly abrasive insulating materials (e.g. foam glass) to protect the insulating material and airlock components.



Insulation blow-in machines EM400 | EM430 | EM440

The high-performance insulation blow-in machines of the EM400 series are optimally suited for the professional processing of loose insulation materials approved by the building authorities, such as cellulose, wood fibre, rock wool and many more.

A two-stage agitator optimally breaks up highly compressed or heavily matted insulation materials. The blow-in machines of the EM400 series have a very large material hopper (1000l) and, with the NW90 (3½") outlet nozzle, a particularly high throughput of up to 2450kg/h based on cellulose.

All important settings for the blowing process can be adjusted via cable or radio remote control (optional) directly at the work site. The conveying air is also adjusted via remote control. A five-stage turbine and/or several high-performance radial compressors generate the required air output. The EM440 is also available with 3x230V power connection.

The complete EM400 series is designed for both stationary and mobile use. The machines can be used for open/attic blowing, dry injection (with ventilation) and damp spraying. All machines are characterised by user-friendly operation and offer a range of technical features that help you achieve the best work results every day.



Upscale standards

Outlet nozzle

The machines of EM400 series are equipped with a NW90 (3½") outlet nozzle (standard). A direct reduction to NW75 (3") outlet is optionally available. The EM440 variants have an additional NW63 (2½") outlet nozzle for the integrated amplifier unit.

Electrical switchboard

The electrical switchboard is clearly arranged and equipped with easy-to-understand operating elements and high-quality components.

Air filter

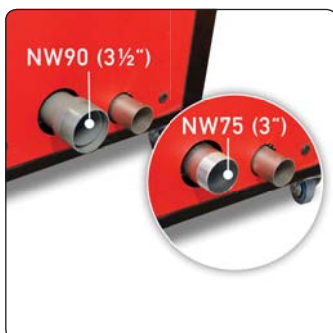
The suction hood with snap-in hook fastener can be quickly removed so that the air filter insert can be easily cleaned.

Attachment points

Four attachment points (lashing eyes) integrated in the frame enable simple and safe fastening and load suspension.



Maintenance and all kind of service can be carried out in a very time-saving manner on the EM400 series machines. They are easy to open up and offer both simple and quick access to all assemblies. For transport in low vehicles, the hopper can be completely removed.



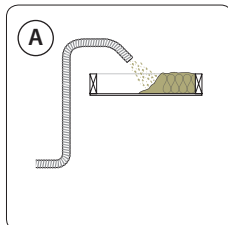
High-performance blow-in machines EM300 series

Blow-in methods and insulation material

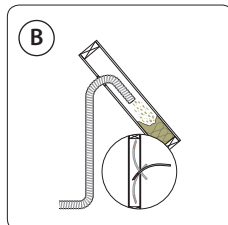
The different building styles and the different types of construction require different working methods. In addition, the amount of air and pressure required for optimal processing also depends on the insulation material, for example.

The X-Floc machines of the EM300 series are virtually an all-round solution in terms of both the blowing method and the insulation material. There are almost no limits to the processing of loose insulation materials.

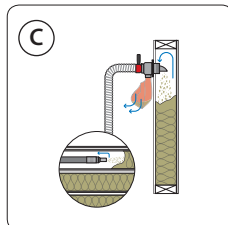
Open/attic blowing



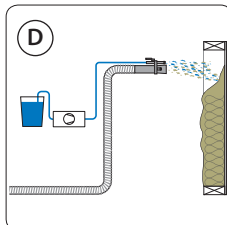
Dry injection



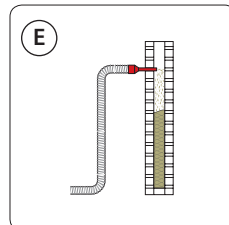
Dry injection with ventilation



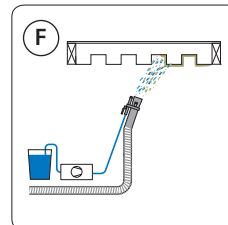
Damp spraying/CSO



Cavity wall insulation



Fire protection



Blow-in insulation material product groups

Cellulose

AIPLANAT, Arbocel Climasafe, Cellisol 300, Cellisol 500, Warmcel, Warmcel 500, Zellofix, Ouatex, Eurocellulose, cellulose V1, Vosges Cellulose, Eurocellulose SB, cellulose V3 SB, Vosges Cellulose S B, FranceFloc B, EcoFloc B, Cell la vie B, Néocell B, Optimum MP, Climacell S, Climacell pure, Climacell akust, Climacell inside, Climacell sonic, cellfloc, climacell Loft, climacell InduTec, climacell HSX, climacell FSX, climacell Green Nature, Unifloc, Witherm, DÄMMSTATTs CI 040, KLIMA-TEC-FLOCK, biocell, DÄMMSTATTs CI Dämmerschüttung, DÄMMSTATTs CI 040 bf, KLIMA-TEC-FLOCK bf, biocell bf, DÄMMSTATTs CI Dämmerschüttung bf, DAEMMSTATT D, Isocell D, Trendisol D, Dobry-Ekovilla D, DAEMMSTATT D bf, Isocell D bf, Trendisol D bf, Dobry-Ekovilla D bf, Isocell P, Isocell P for you, FLOCO'MOBIL Dämmflocke, Floci-Cell, naturheld Holzfaser Einblasdämmung, WoodyCell+, WoodyCell Plus, WOODYCELL, isofloc, isofloc L, isofloc L+, isofloc LW, isofloc LM, swissfloc, isofloc eco, isofloc neo, easyfiber, CelluBOR SW, OUATECO PREMIUM, JUST BE GREEN, ISOL+, OUATECO, OUATECO NATURE, STEICOfloc, STEICOfloc NB, THERMOFLOC F, THERMOFLOC B, GREENFLOC, Klima-super, Isocell, trendisol, Isodek, Dobry-Ekovilla, Fibra-Natur, Domexcell, Pavafloc, Renocell, Isolare, Poesis, isECO, ISOCELL F, greenwool, clima-super Evolution, Isocell Evolution, greenwool Evolution, isECO green, clima-super lambda+, clima-super max, Isocell lambda+, greenwool lambda+, isECO lambda+, isECO max, trendisol lambda+, Wolfinger Zellulosedämmung, STT Floc, Ekovilla, Ekovilla Puru, Ekovilla IA, Isonem, Isolet, UpCell, GreenCell, Climatizer plus, Thermocel, La cellulosa, Easycell, Celisol, Isocell EU 01, WarmFiber, WarmFiber Plus, Termex, Termex Green, Ekocell, Ekocell Green, Kätevå, Kätevå Green, iQ3 CELLULOSE, CELLIPURE, ISOLANT ECOLOGIQUE SEMI, DOMOSANIX, CELLECO etc.

Wood fibre

GUTEX Thermofibre/FQ, WOODYCELL SW, AIRFLEX, best wood FIBRE, Hoiz, Jasmin, STEICO zell, Thermocell in-situ formed loose fill insulation, Termoträ Original, Termoträ Fire Protect etc.

Mineral fibre

InsulSafe, Supafil Cavity Wall, Supafil Loft Plus, Supafil Timber Frame, Supafil Max Frame, Teko-Flock, Indi-Flock, Trendi-Flock, swissporROC, COOMBLISSIMO, FLOCOLENE, TECHWOOL, Fillrock KD Plus, Fillrock KD, Fillrock RG Plus, Fillrock RG, Conlitt Firesafe, PAROC BLT 5, DOSSOLAN THERMIQUE etc.

Mineral granules

BIT Perlit Bachl, HY Perlit Bachl, Neopor, Hyperdämm, Hyperlite KD, Thermoperl, 2K Perlit Flachdachdämmung, Extraperl S4, Thermo-Fill, Thermo-Floor, Thermo-Plan, Thermo-Roof, ISOPLUS100 BEPS-WD, SLS 20F, SLS20 Plus, Perli-Fill, Poraver Blähglas-Granulat, Bauhaus DSX100, Geocell Blähglas, JASS Wärmedämmschüttung, Liaver, NEVOLIT etc.

EPS granules

ThermoWhite WD 100 R, ISO Plus BINDER WD 100R, ThermoWhite WD 70 R (RN), ThermoWhite WD 130 R, HIRSCH PoroBead 033, H2 Wall, Granublow 033, HIRSCH Poro-Bead Plus, H2 Wall Plus, Granublow Plus, Isocell Pearl, RigiBead Premium 033, RigiBead 035, SwissporEPS Perlen, SwissporEPS Styromull, airpor level 3.0, airpor level 3.0 A, airpor rapid, airpor light, BACHL niveauTHERM 160 Premium, BACHL niveauTHERM 160 Premium-PLUS, BACHL niveauTHERM 400 Premium, BACHL niveauTHERM 400 Premium-PLUS, HK33, TF Pearls, GRANU-PUR, Neopixels Premium HR Insulation, thermotec BEPS-WD 130R, thermotec BEPS-WD 70N, Ecofibre EPS 033 Kerndämmung etc.

Fire protection plaster and other insulation material

ISOVER FireProtect 150, ISOVER FireProtect 150F, DOSSOLAN THERMIQUE, DOSSOLAN 3000, DOSSOLAN-HOECO F II/1, Cafco-BLAZSHIEKD DC/F, Cafco-300, FIBREXPAN, Hanf-Dämmwolle HDW, AgriCell BW, Einblasstroh, Bio-Einblasstroh, Thermostroh, Thermostraw, Blown straw insulation, Plantacell, Stroheinblasdämmung, SonnenStroh, SunStraw, Blowstraw, Blow-in straw, Loose fill straw insulation, SonnenKlee-Einblasstroh, GREENFLOC, Thermofloc-Dämm pellets, G-tec gebundener Dämmkork, Iso-Stroh, Flachs-floc, Lopas-Strohhäcksel-dämmung, CEMWOOD CW 1000 / CW 2000, ISOLENA-BLOCK, ISOLENA-OPTIMAL, ISOLENA-PREMIUM, ISOLENA-KLEMMFILZ, ISOLENA-OPTIMAL PLUS, MEHABIT, MEHAPORT, MEHAS-PORT, NeptuTherm, Calor, THERMO JUTE DUO, THERMO JUTE 100, THERMO JUTE 100 PLUS, Métisse Flocon, FonaTerm - granular, REINFLOCK, Conluto, JOMApertl etc.






Table does not claim to be complete. X-Floc will check other products upon request.



High performance insulation blow-in machines EM400 series

Which blowing machine for your application?

In principle, you can process almost all available blow-in insulation materials with every machine in the EM 400 series. However, you can choose from the various insulation blow-in machine types to find the one that best suits your needs. Contact us for detailed and further information - we will be happy to advise you!

Model series	EM400	EM400	EM400	EM400	EM400
Machine type	EM400-400V/7,5kW	EM430-400V/9,9kW	EM440-3x230V/10,0kW	EM440-400V/11,1kW	EM440-2x400V/11,4kW
					
			amplifier integrated	amplifier integrated	amplifier integrated
Article number	3316	5802	6253	4662	11047
Power/Material processing speed	2210kg/h	2400kg/h	2250kg/h	2300kg/h	2450kg/h
Hopper	1,0m³	1,0m³	1,0m³	1,0m³	1,0m³
Airlock outlet ø	NW90 (3½") optional direct reducing to NW75 (3")				
Dimensions (LxWxH)	1300x1020x1800mm	1300x1020x1800mm	1300x1020x1800mm	1300x1020x1800mm	1300x1020x1800mm
Unladen weight	410kg	417kg	460kg	424kg	424kg
Filling height	1260mm	1260mm	1260mm	1260mm	1260mm
Airlock ventilation	●	●	●	●	●
Dust removal/Support for bags	passive (strip curtain) / active (dust extraction)				
Machine control	cable remote control KFB2000 (standard) or radio remote control FFB2000/FFB2000-Pro				
Material conditioning	4 crusher shafts and 1 shredder unit with 2 shafts				
Shredder	●	●	●	●	●
Airlock feed gate adjustable	10 levels (KFB2000/FFB2000) / 19 levels (FFB2000-Pro) / continuously variable manually				
Airlock rotational speed adjustable	10 Stufen Kabelsteuerung KFB2000 / 19 Stufen Funkfernsteuerung FFB2000-Pro				
Automatic blowing	●	●	●	●	●
Pressure relief valve	optional	optional	optional	optional	optional
Air generator	turbine 5,5kW	turbine 7,5kW	5 high-powered radial compressors 2x1,8kW + 3x1,45kW	turbine 5,5kW and high-powered radial compressor 1x1,8kW + 1x1,45kW	turbine 5,5kW and 2 high-powered radial compressors 1,8kW
Max. dynamic pressure (adjustable)	520mbar	680mbar	420 mbar	580mbar	480mbar
Air feed amplification	external amplification optional e. g. X-Floc Amplifier/Vacuum station VS28/VS33, VS55M/VS75M				
Air volume (nominal/measured)	450/410m³/h	490/420m³/h	975/850m³/h	800/650m³/h	850/710m³/h
Aspiration with suction hood	●	●	●	●	●
Conveying height (w/w/o amplifier)	>45m	>45m	>70m	>70m	>70m
Hose length L=max.	150m	150m	180m	180m	180m
Motor	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW	1x3-phase, 1,4 kW and 1x3-phase, 0,75kW
Power rating	7,5kW	9,9kW	10,0kW	11,1kW	11,4kW
Power supply	400V/50Hz/3x16A/N/PE	400V/50Hz/3x16A/N/PE	3x230V/50Hz/16A	400V/50Hz/3x16A und 1x230V~/16A	2x400V/50Hz/16A
Max. material packing density	200kg/m³	200kg/m³	200kg/m³	200kg/m³	200kg/m³

Compatibility table																			
Cellulose	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	●	●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	-
Wood fibre	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	●	●	-	●	-	●	●	●	-	○	-	●	●	●	-	○	-
Mineral fibre	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	●	●	○	●	-	●	●	●	○	●	-	●	●	●	○	●	-
Mineral granules	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	-	-	-	○	●	●	-	-	-	-	○	●	●	-	-	-	○
EPS granules	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	-	●
Fire protection plasters/other	Application	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
	Suitability	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

A = Open/attic blowing | B = Dry injection | C = Dry injection with ventilation | D = Damp spraying/CSO | E = Cavity wall insulation | F = Fire protection
 ● suitable/yes | ○ recommended with limitations | - not recommended/no/not specified (all values approximate)

Equipment options

- 1 Radio remote control FFB2000-Pro**
Bidirectional radio technology with four radio channels and high transmission security. If required, the radio remote control can also be used wired. **Art. no. 5243**
- 2 Additional function AE – blow-off unit**
In order to maintain specified installation densities and protect components, various weight discs can be used to set the pressure at which the unit blows off air. **Art. no. 4038**
- 3 Additional function DS – speed control airlock rotor**
Remote controlled adjustment (combined with sluice gate position) of the optimum material feed rate. **Art. no. 5060**
- 4 Additional option box wall attachment**
The filling attachment serves to increase the supply volume from approx. 0,72m³ (standard) to approx. 0,914m³. **Art. no. 8522**
- 5 Attachment foot**
Machine foot for fastening to the vehicle floor (e.g. in an X-Floc blow-in mobile) or in solid ground. **Art. no. 5301**
- 6 Intake connection NW90 / 90°**
For the right-angled connection of a NW90 hose to the air filter bonnet spigot for fresh air supply. **Art. no. 5613**
- 7 Direct reducer NW90 > NW75**
Reducer for direct insertion into the outlet connection NW90(3½") > outlet diameter NW75(3"). **Art. no. 8936**
- 8 Accessory set NW75/63 for loose insulation materials**
(non-abrasive) with recommended accessories for processing cellulose, wood fibre, glass wool etc. **Art. no. 5246**
- 9 Mains adapter Phase and neutral conductor monitoring device 400V with interruption protection**
For checking 3-phase power supplies 400V/50Hz with neutral conductor. **Art. no. 4553**
- 10 Additional package for integration of the machine into WBS**
Required higher-level control and safety equipment for integration of the machine into a factory filling system according to the Machinery Directive 2006/42/EG. **Art. no. 8615**
- 11 Mains voltage indicator**
For detecting weak and/or fluctuating power supplies. **Art. no. 4604**
- 12 Mains adapter distributor 400V-CEE>3x230V Schuko**
With splash-proof housing made of highly break-resistant special plastic, suitable for the construction site. **Art. no. 9481**
- 13 Intake connection NW75 / 90°**
For the right-angled connection of a NW75 hose to the spigot of the air filter bonnet for fresh air supply. **Art. no. 5614**
- 14 Increased power of the additional fans / variant 11,2kW**
Modification of the standard air output 10,8kW. **Art. no. 8126**
- 15 Mains adapter 400V, 25m ring**
CEE plug/CEE coupling, 5-pole, 16A. **Art. no. 2492**
- 16 Mains adapter socket strip 400V/32A > 2x400V/16A**
CEE-plug/32A > output 2x CEE-sockets/16A, with hinged cover, 2x circuit breaker, cable approx. 2m. **Art. no. 7273**
- 17 Mains adapter 400V/32A, 10m ring**
CEE plug/CEE coupling, 5-pole, 32A. **Art. no. 6588**
- 18 Recommended accessories: Power distributor 400V/16A PRCD-S**
Type B, all-current sensitive. **Art. no. 9271**
- 19 Reducer PE 90>76 with O-ring** for insertion into a suction bonnet with ø 90mm (connection suction barrel). **Art. no. 5145**



Radio remote control FFB2000-Pro

With the aid of the remote control, many important settings for the injection process can be made directly from the work site. For this purpose, the KFB2000 cable control unit is included in the standard scope of delivery for all machines in the EM400 series.

The bidirectional radio remote control FFB2000-Pro (optional) offers a number of additional functions over and above the proven functions of the KFB2000. In addition to its compact size and simple operation, this control is characterised by very fast response and excellent radio stability. With an optional connecting cable between the hand control unit and the receiver, the FFB 2000-Pro radio control unit can also be used as a cable control unit (e.g. on construction sites with difficult radio connections).

Technical data

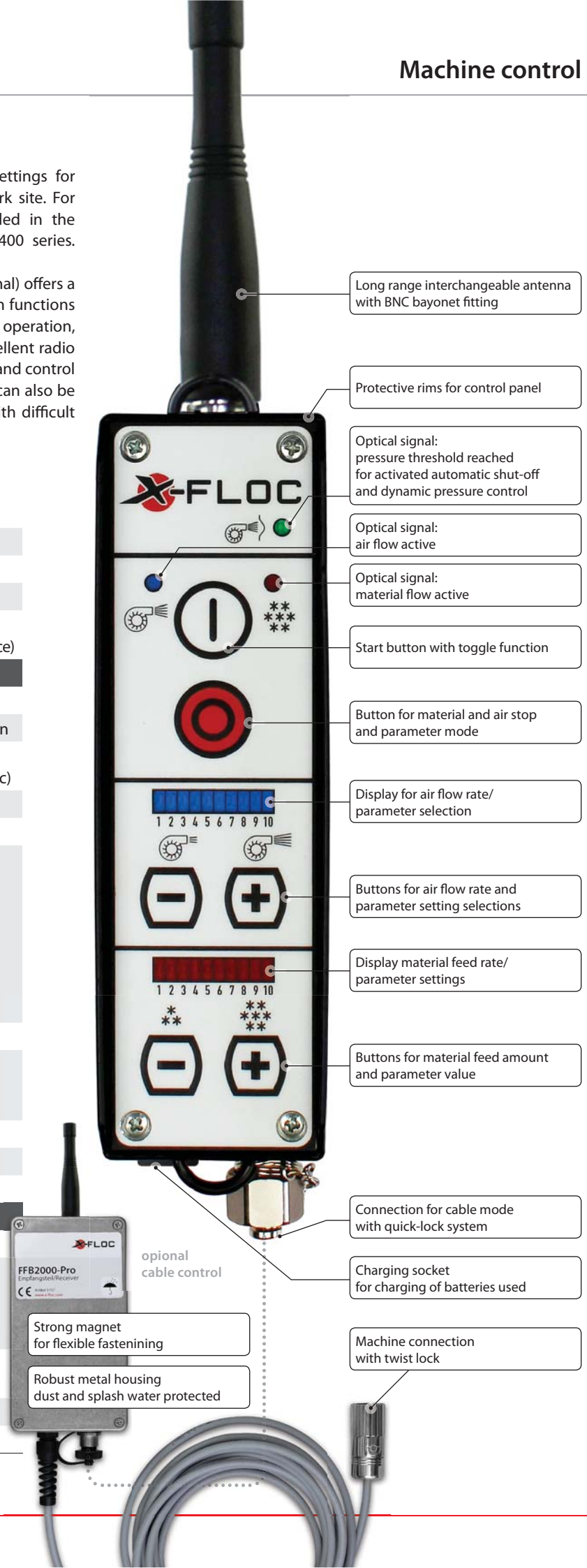
Transmission frequency	434MHz
Operating temperature range	-20°C to +40°C
Voltage supply	24V DC
Radio channels	4 (for construction sides with source of interference)

Hand control unit

Duration of use	up to 30h
Range	>100m w/o interruption
Overpressure signal	LED (optical) warning tone (acoustic)
Function buttons	6 (foil keypad)
Parameter levels	10
Parameters adjustable:	
Radio channels	1-4
Switch-on delay material	0, 1, 2, ...9s
Switch-on delay air	0, 1, 2, ...9s
Delay time:	
Automatic switch-off	0, 1, 2, ...9s
Response time:	
Dynamic pressure control	50, 100, ...500ms
Protection class	IP40
Connections	cable control charging socket antenna
Power supply	3x AAA NiMH 800mAh
Weight	approx. 400g
Dimensions	approx. 47x154x47mm

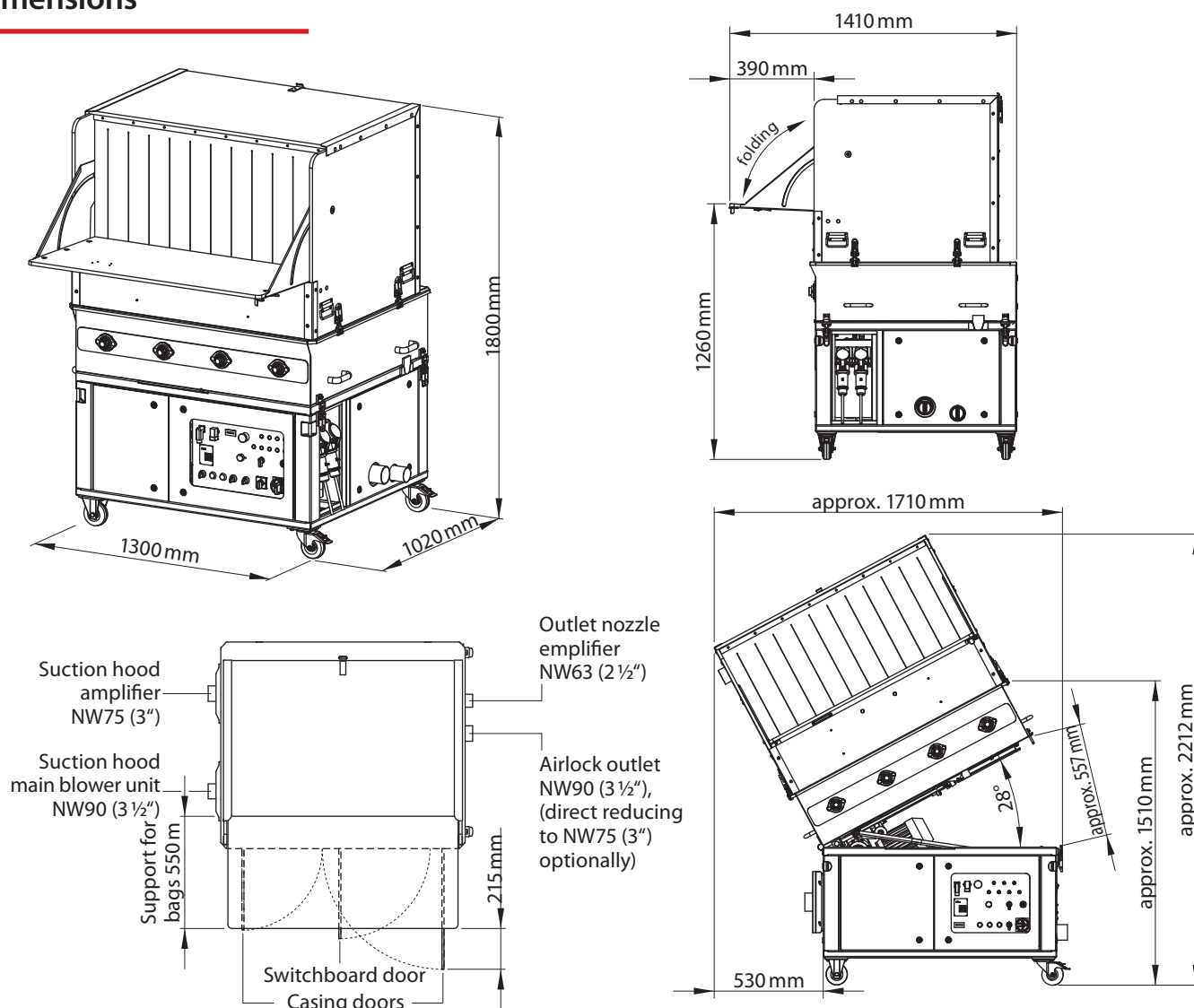
Receiver

Protection class	IP40
Connections	control line to the machine cable control antenna
Power supply	24V DC (from blow-in machine)
Weight	approx. 765g
Dimensions	approx. 83x151x50mm



High performance insulation blow-in machines EM400 series

Dimensions



Dust extraction, cleaning and mobility

The dust produced when loosening the insulation material is retained by the encapsulated storage container. In addition, the suction nozzle on the filling attachment makes active dust extraction via the intake air possible. This requires an EM440 blow-in machine with integrated amplifier (alternatively an external amplifier/extraction station) and a suction drum. Using a suction barrel as a collection container also makes it possible to clean the construction site after the blow-in work

has been completed. For this purpose, the injection hose is connected to the suction barrel, which in turn is connected to the suction bonnet. In combination with a flake diverter, the prerequisites for a quick changeover between suction and blowing are also created. And if necessary, the machines of the EM400 series are also mobile. Thanks to the heavy-duty wheels with low rolling resistance, the injection the blowing machine is easy to move.



Reinforcing, vacuuming and cleaning

The model types EM440 are equipped with an internal amplifier/booster. This allows the throughput potential to be fully utilised even with large field sizes and air-intensive insulating materials. By means of external introduction of the amplified air after the airlock, the highest throughput rates are achieved. The two booster fans can be switched on as required - either at full load or speed-controlled via the remote control.

Some insulation materials require a particularly high air volume for professional installation. Occasionally, certain installation situations also require the overcoming of large rise heights or the use of long conveyor lines. In the meantime, loose insulation materials also have to be removed from time to time.

With the X-Floc amplifier/vacuum stations, you can supplement your blow-in machine or use it in conjunction with a suction drum for active dust extraction or cleaning. The booster/extractor stations are equipped with equally lightweight, powerful radial fans or turbines. They are available as standard in the compact portable version (VS28/VS33) or mobile version with hand truck function (VS55M/VS75M), special versions are also available on request.

Main application areas of the X-Floc VS series:

- ▶ Reinforced blowing (with dust extraction)
- ▶ For large inclines, heavy materials
- ▶ As an extraction station (cleaning or deconstruction of old building materials)



Amplifier/Vacuum stations



VS28



VS33



VS55M



VS75M

Amplifier/Vacuum station					Special versions on request
Type	VS28	VS33	VS55M	VS75M	
Article number	2711	5855	9455	9793	
Amplification/cleaning	●/●	●/●	●/●	●/●	
Active dust removal	●	●	●	●	
Stepless performance regulation	●	●	●	●	
Synchronisation with machine	●	●	●	●	
Remote control	●	●	●	●	
Power	2,8 kW	3,3 kW	5,5 kW	7,5 kW	
Max. overpressure	320 mbar	350 mbar	500 mbar	600 mbar	
Max. negative pressure	280 mbar	320 mbar	450 mbar	550 mbar	
Max. air volume (nominal/measured)	440 / 360 m³/h	420 / 400 m³/h	470 m³/h*	390 m³/h*	
Air feed unit	high-powered radial compressor	high-powered radial compressor	5-stage turbine	5-stage turbine	
Outlet nozzle/intake socket	NW63 (2½") / NW75 (3")	NW63 (2½") / NW75 (3")	NW63 (2½") / NW90 (3½")	NW63 (2½") / NW90 (3½")	
Dimensions (LxWxH)	482 x 358 x 418 mm	482 x 358 x 418 mm	605 x 560 x 750 mm	605 x 560 x 750 mm	
Weight	approx. 19,5 kg	approx. 19,8 kg	approx. 65 kg	approx. 88 kg	
Operating hours counter	○	●	-	-	
Mains voltage display	○	○	-	-	

* free-blowing ● suitable/yes | ○ recommended with limitation | - not recommended/no/not specified (all values approximate)

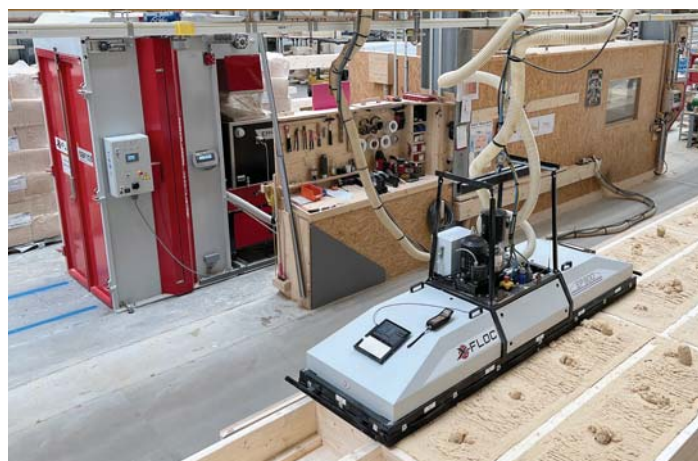
High performance insulation blow-in machines EM400 series

Factory filling

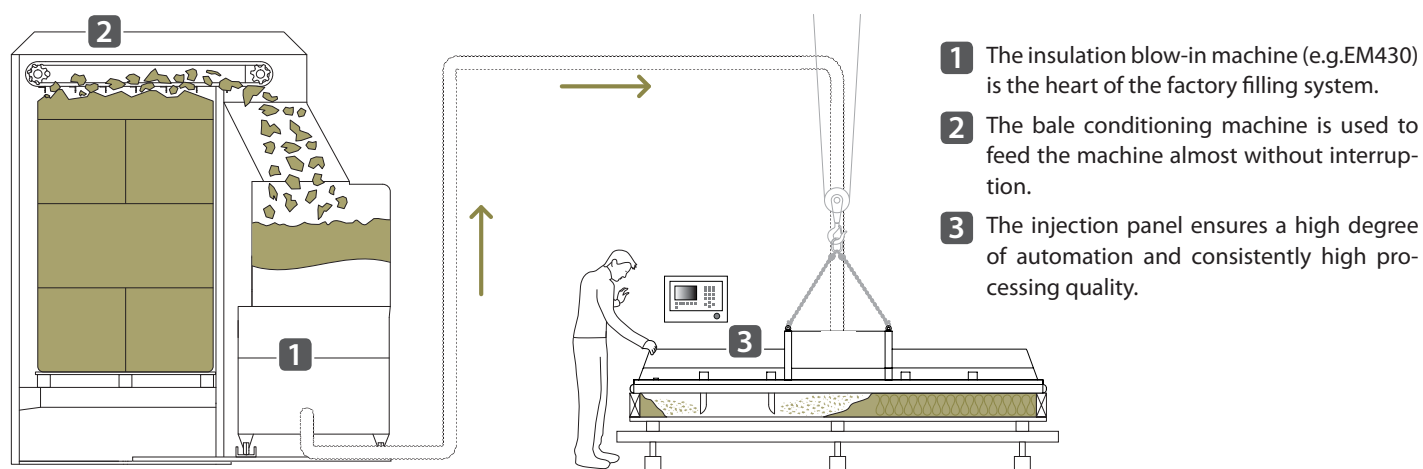
In industrial filling technology, the machines of the EM400 series show their full performance capability in combination with the big bale cutter. The delivery containers are placed on the pallet in the GBF1050 and the insulation material is automatically conveyed into the supply container of the blow-in machine as required. No additional manpower is required to continuously load the machine with bagged material. To fill the machine with bagged material (other insulation material or reserve material in bags), the longitudinal filling flap on the machine attachment can be opened if necessary.

Factory filling machines are of modular design. The blowing machine is the central element. It can already be used for manual filling processes, e.g. with blowing lances, hoses or nozzles. Extended by a big bale cutter, the system allows the use of big bales and with the blow-in plate the factory filling procedure is automated.

► For more information, see brochure **Factory filling**



Modular system design



The factory filling systems are designed so that different insulation materials (see: Blow-in insulation material product groups) can be used. Typical product classes such as wood fibre, cellulose, glass wool and rock wool have already been extensively tested.



Blow-in trailers - everything directly on site

If required, the EM400 blowing machine can also be easily separated from the big bale filling system and taken along on a construction site job, for example. However, the distinction between stationary and mobile use usually refers to the professional blower's workplace.

This is because the EM400 series blow-in machines are ideally suited for installation in an X-Floc blow-in mobile. In this case, the machine is optimally placed on the fully equipped trailer, transport vehicle or container. For this purpose, a system plan with hosing and electrical installation is worked out. In addition, a secure stowage solution is prepared for each item of equipment. In many cases, the blow-in trailers also offer storage space for the insulation material. X-Floc realises customised trailers as well as vehicle superstructures and extensions according to the customer's wishes.

► For more information, see brochure **Insulation blowing mobiles**



Tarpaulin trailer

Tarpaulin trailers in freely selectable dimensions offer space for the ergonomic arrangement of the workplace, a variety of configuration options as well as additional space for further material. They are also suitable for long distances and, due to their low overall weight, for smaller towing vehicles. The large exterior surfaces can be printed with individual customer advertising.

Box trailer

Single-axle box trailers and tandem trailers are also well suited for small towing vehicles, are approved for speeds of 100 km/h and are suitable for short and long distances. These trailers also offer increased theft protection and large exterior surfaces for individual advertising. As standard, all box trailers are available with a two-wing rear door or drive-on flap.



Container

Made of rustproof aluminium, weather-resistant wood and whatever the shape: X-Floc realises system workplaces in containers – tailor-made and well thought-out down to the last detail – very suitable for the blow-in professional as well as for the rental service. On request, the containers are available with compressed air supply and power generator as well as a solution for flatbed vehicles/trailers.



High performance insulation blow-in machines EM400 series

Machine accessories

X-Floc blow-in machines, amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable control, power generators as well as bag supports, suction drums and other machine accessories can be found in the relevant product docu.

► Further information, see brochure **Machine accessories**



Nozzles and blowing accessories

For each insulation blow-in principle and each application, tools and/or accessories are necessary for insertion, sealing and venting. Detailed information about these accessories and everything about tools such as injection nozzles, injection needles/lances as well as hole saws and sealing parts can be found in the relevant product docu.

► Further information, see brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connectors are an essential part of the blow-in equipment because they can be used to create all conceivable transport lines and circuits. Detailed information on conveying and injection hoses as well as hose connectors, hose clamps, Y-pieces and fibre switches can be found in the relevant product docu.

► Further information, see brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation manufacturers and material testing institutes, and many more. More info can be found in the relevant product docu.

► Further information, see brochure **Measurement devices**



Damp spraying

In the damp spray process, thermal insulation material is moistened with water after exiting the hose. Detailed information on spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scrubber for smooth surfaces can be found in the relevant product docu.

► Further information, see brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the blow-in professional from contact with skin-irritating insulation materials. Detailed information on the X-Floc range of workwear, dust masks, professional respirators with legal approval as well as air filters, rechargeable batteries and other accessories can be found in the relevant product docu.

► Further information, see brochure **Industrial safety/Respirators**



X-Floc Dämmtechnik-Maschinen GmbH

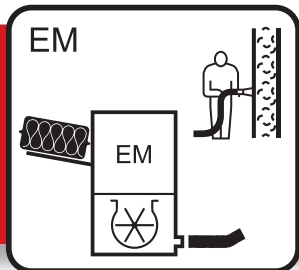
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Your X-Floc representative



Insulation blow-in machine EM500

Highest throughput rates and ergonomic material feed

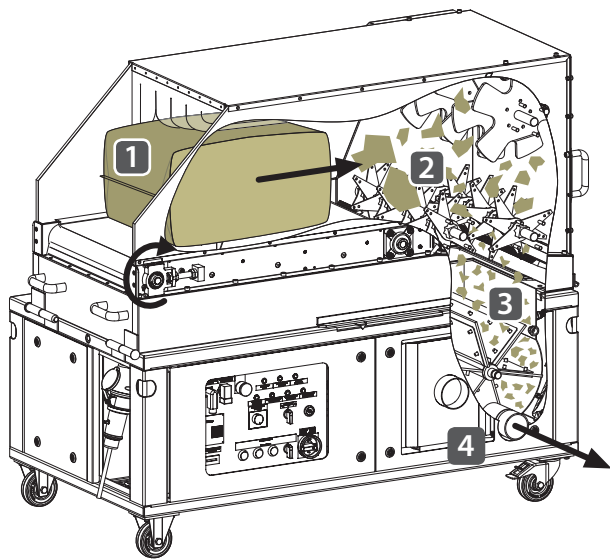


Insulation blow-in machine EM500

High-performance blow-in machine

- ▶ For highest material throughputs
- ▶ Transport in small truck or trailer
- ▶ Ergonomic material feed due to horizontal conveyor belt at table height





Structure and functional principle

1 Conveyor belt

The insulation material bundle is transported to the agitator via a horizontal conveyor belt at table height.

2 Agitator

The insulation material bale is broken up into small pieces and any lumps are broken up with the help of the three-stage material conditioning unit, which consists of a chopping shaft and two crushing shafts.

3 Airlock feed gate and rotary airlock

The material falls through the feed gate opening into the rotary airlock. The material feed rate can be adjusted via the position of the electric airlock feed gate or also the degree of filling of the chambers can be reduced. This is particularly advantageous for easy-flowing bulk materials.

4 Airlock outlet

The insulation material is conveyed by the rotation of the rotary airlock and with the aid of the conveying air flow and it is blown out of the rotary airlock through the outlet nozzle NW75 (3").

Equipment options

1 Radio remote control FFB2000-Pro

instead of cable remote control. Bidirectional radio communication with FM technology, automatic channel search and plug system according to EU standard. **Art.no. 5243 / 5154**

2 Additional option AE

pressure relief valve for pressure limitation. Particularly advantageous for pressure-sensitive cladding materials and airtight construction (plasterboard or similar). **Art.no. 4038**

3 Additional option DS

for adjusting the airlock speed via remote control, for optimum adjustment of the delivery rate. **Art.no. 5060**

4 Mounting foot

for fastening to the machine base and to the vehicle floor or in solid ground. **Art.no. 5301**

5 Intake socket 90° NW90

for the right-angled connection of a NW90 hose to the spigot of the air filter bonnet for fresh air supply. **Art.no. 5613**

6 Direct extension NW75>90

conveyor line NW90 required for this. **Art.no. 6746**

7 Accessory set NW75/63

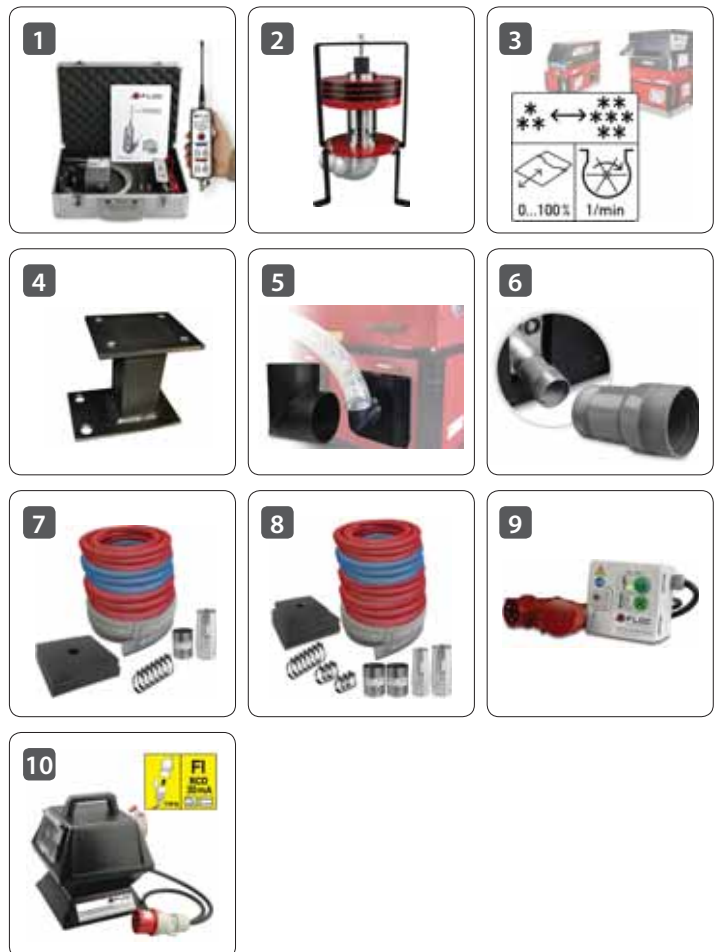
for loose insulation materials, non-abrasive. **Art.no. 5246**

8 Accessory set NW75/63/50

for loose insulation materials, non-abrasive. **Art.no. 5737**

9 Mains adapter phase and neutral conductor monitoring device 400V with interruption protection. Art.no. 4553

10 Power distributor 400V/16A PRCD-S type B, all-current sensitive. For commercial use, in case of deviating or unknown protection of the supply point. Art.no. 9271



High-performance blowing machine EM500

The X-Floc EM500 **Art.no. 4817** is one of the most powerful blow-in machines for processing all kind of insulation materials approved by the building authorities. Its particularly large 32 litre/6-chamber stainless steel airlock ensures a very high material throughput. At the same time, the machine impresses with its compact dimensions; it can be easily transported in a small truck or on a trailer. It is equipped with a 400V connection and is suitable for both stationary factory use and mobile construction site use.

The material is fed via a horizontal conveyor belt. The compressed fibre insulation material can be unpacked on the feed table and fed to the machine via the conveyor belt. The EM500 is predestined for magazine filling or bulk container emptying.

The three-stage agitator unit is capable of easily breaking up and finely scarifying highly compressed processing materials. Optimum degrees of loosening are thus achieved for different materials. A five-stage 7.5 kW turbine is used as the air generator. With the aid of the cable or radio remote control, all important machine settings can be made directly from the injection point. The desired maximum pressure can also be set via the optional pressure relief valve (see equipment options) using weight discs. The hinged upper part of the machine facilitates regular cleaning and maintenance work, which ensures perfect functioning and a long service life for the machine.



Technical data

Article number	4817
Power/mat. processing speed *	1800kg/h
Hopper	0,4m ³
Airlock outlet ø	NW75 (3")
Dimensions (LxWxH)	1520x800x1300mm
Unladen weight	390kg
Filling height	860mm
Airlock ventilation	●
Machine control	KFB2000 or FFB2000-Pro
Material conditioning	3 horizontal agitator shafts
Airlock feed gate adjustable	10 levels (KFB2000) or 19 levels (FFB2000-Pro)
Airlock material	Stainless steel
Blow-in automation	●
Pressure relief valve	optional
Air generator	Turbine 7,5kW
Max. dynamic pressure (adj.)	500mbar
Air feed amplification	External (option) e. g. X-Floc VSxx
Air volume (nom./measured)	490/450m ³
Suction function via suction hood	●
Conveying height	>45m
Hose length L=max.	180m
Motor	2x3 phase 1,1kW
Power rating	9,5kW
Power supply	400V/50Hz/3x16A/N/PE
Max. material packing density	175kg/m ³

● suitable/yes The values given are approximate.

* Maximum values, depending on the insulation material used and blow-in method.



Insulation blow-in machine EM500

Machine accessories

X-Floc insulation blow-in machines as well as amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable controls, power generators as well as sack supports, suction drums and other machine accessories can be found in the corresponding product documentation.

► Further info, see brochure **Machine accessories**



Nozzles and blowing accessories

For all insulation blow-in methods and any application, there are tools and/or aids for insertion, sealing and venting necessary. Detailed information about these accessories and everything about tools such as injection nozzles and rotary nozzles, injection needles and injection lances as well as hole saws and sealing parts can be found in the corresponding product documentation.

► Further info, see brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connections parts are an essential part of the insulation blow-in equipment because all these units can be used to create conceivable transport lines and circuits. Detailed information regarding conveying and injection hoses as well as hose connectors and clamps, Y-connectors and fibre switches can be found in the corresponding product documentation.

► Further info, see brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation material manufacturers and material testing institutes, and many more. Detailed information can be found in the corresponding product documentation.

► Further info, see brochure **Measurement devices**



Damp spraying

In the damp spraying process, thermal insulation material is moistened with water after exiting the hose. Detailed information regarding spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scubber for smooth surfaces can be found in the corresponding product documentation.

► Further info, see brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the insulation blow-in professional from contact with skin-irritating insulation materials. Detailed information on the entire X-Floc range of work clothing, respirators, professional respiratory protection equipment, air filters, batteries and other spare parts and accessories can be found in the corresponding product documentation.

► Further info, see brochure **Industrial safety**



X-Floc Dämmtechnik-Maschinen GmbH

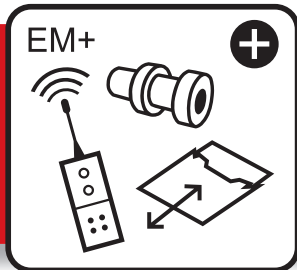
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Your X-Floc representative



Amplifier/Vacuum stations

For each application the suitable amplifier station



Amplifier/Vacuum stations

- ▶ Reinforced blowing in
- ▶ For large gradients, heavy materials
- ▶ Can be used as an extraction station (cleaning or deconstruction)



Our Emplifier / Vacuum stations

Some insulation materials require a particularly high air volume for professional installation. Occasionally, certain installation situations require the overcoming high conveying heights or the use of long conveyor lines. Meanwhile, loose insulation materials occasionally have to be removed again.

With X-Floc amplifier/vacuum technology, the existing insulation blowing machine can also be supplemented for amplification or used for suction. Our amplifier/vacuum stations range from mobile amplifiers for construction site use (VS28/VS33/VS55M/VS75M) to special designs (VS40) as well as stationary solutions suitable for industrial filling (VS55).

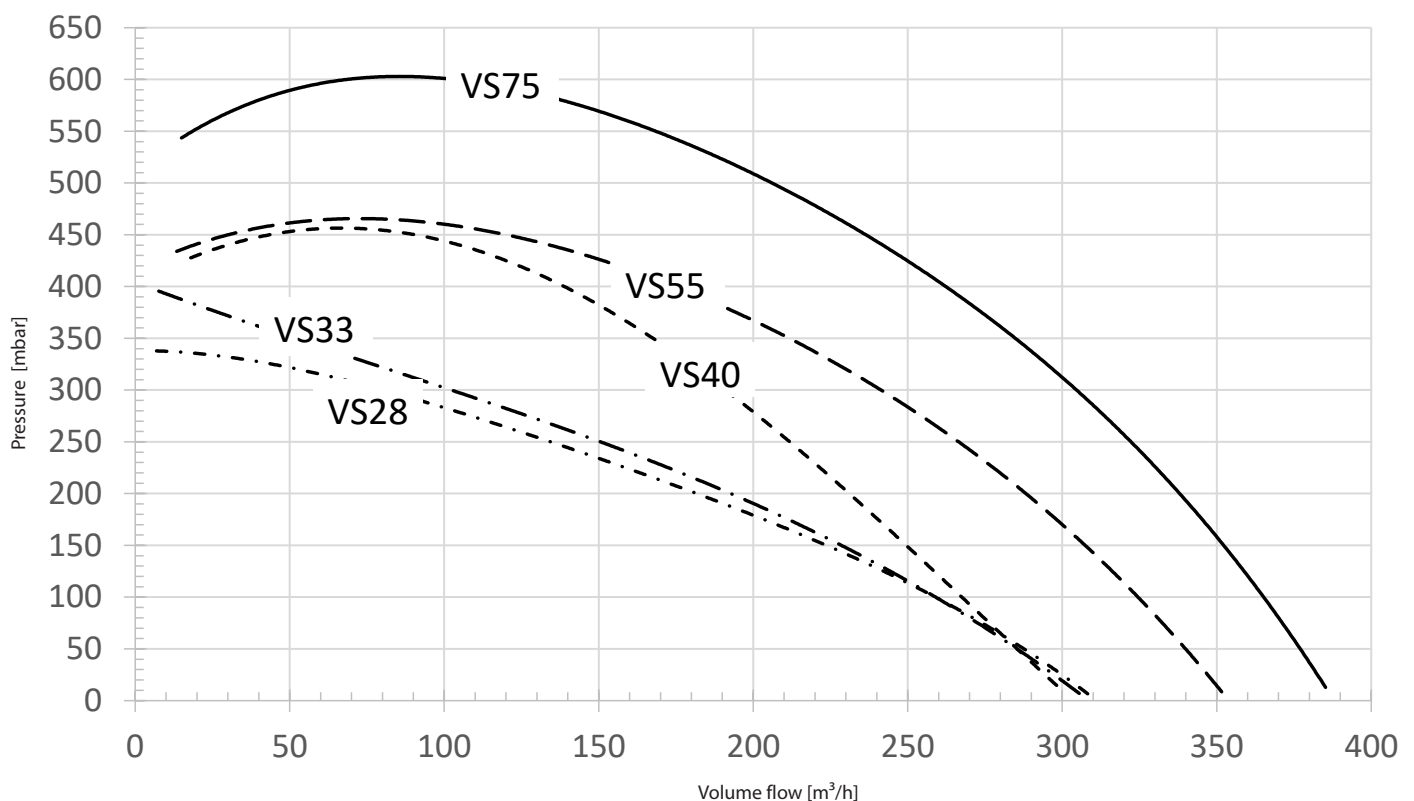
All X-Floc All amplifier/vacuum stations can significantly increase the performance of insulation blowing machines and/or, in combination with suitable accessories, extract small and large quantities of solids in a short time. For optimal tuning please refer to the instructions „Amplification of the insulation blowing machines' air power“.

The advantages at a glance

- ▶ Perfectly suited for construction sites and as a stationary solution
- ▶ Easy handling due to low weight
- ▶ Complete separation of working and cooling air
- ▶ Easily replaceable air filter fleece due to cover with bayonet lock
- ▶ The suction function is suitable for a wide range of materials



Characteristic curves



Features and application examples



VS28

VS33

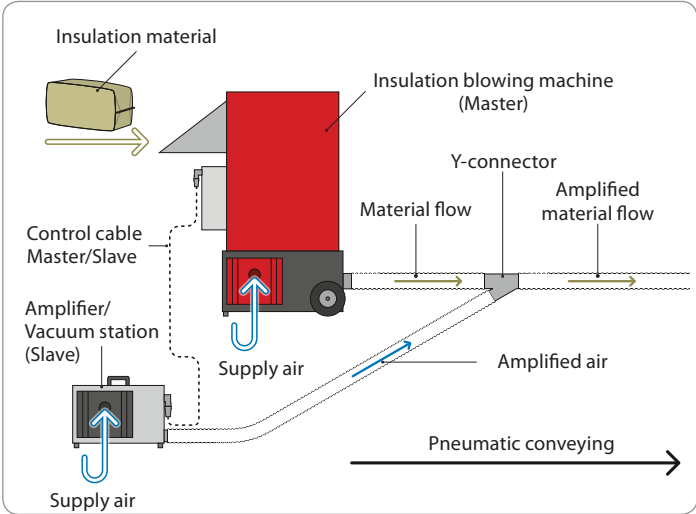
VS55M

VS75M

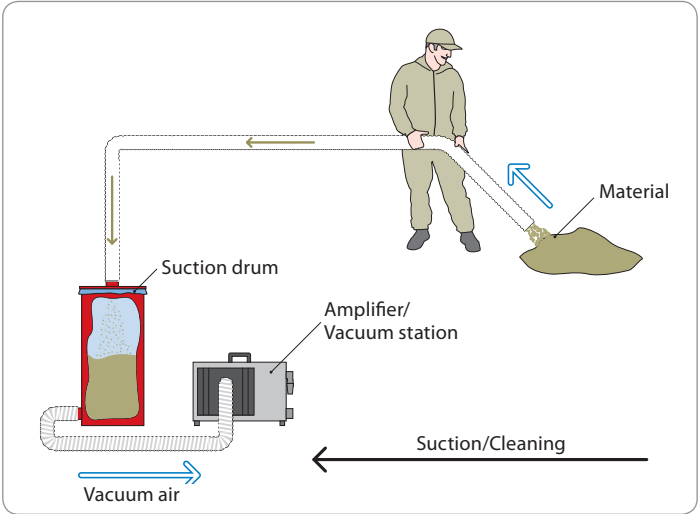
Amplifier/Vacuum station					
Type	VS28	VS33	VS55M	VS75M	Special designs on request
Product number	2711	5855	9455	9793	
Amplification / Cleaning	● / ●	● / ●	● / ●	● / ●	
Active dust removal	●	●	●	●	
Stepless power regulation	●	●	●	●	
Synchronisation with machine	●	●	●	●	
Remote control	●	●	●	●	
Power	2,8 kW	3,3 kW	5,5 kW	7,5 kW	
Max. overpressure	320 mbar	350 mbar	500 mbar	600 mbar	
Max. negative pressure	280 mbar	320 mbar	450 mbar	550 mbar	
Max. air volume (nominal/measured)	440 / 360 m³/h	420 / 400 m³/h	470 m³/h*	390 m³/h*	
Air feed unit	High powered radial compressor	High powered radial compressor	5-stage turbine	5-stage turbine	
Outlet connection/intake socket	NW63 (2½") / NW75 (3")	NW63 (2½") / NW75 (3")	NW63 (2½") / NW90 (3½")	NW63 (2½") / NW90 (3½")	
Dimensions (LxWxH)	482 × 358 × 418 mm	482 × 358 × 418 mm	605 × 560 × 750 mm	605 × 560 × 750 mm	
Weight	approx. 19,5 kg	approx. 19,8 kg	approx. 65 kg	approx. 88 kg	
Operating hours counter	○	●	-	-	
Mains voltage display	○	○	-	-	

* Freeblowing ● Included as standard ○ Optionally available

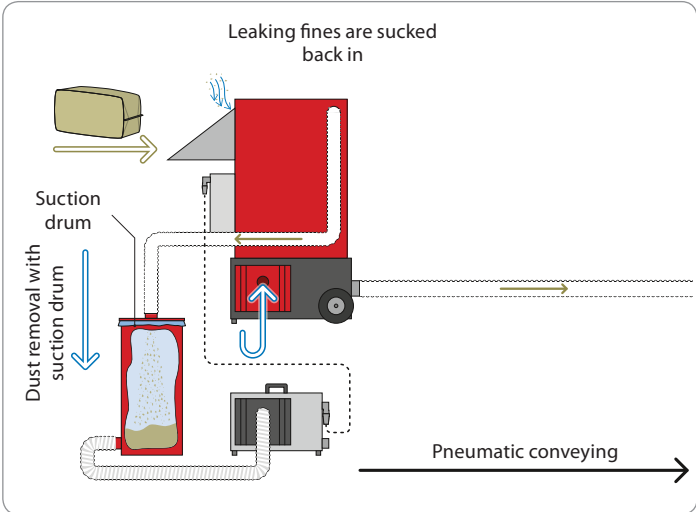
Amplified blowing injection



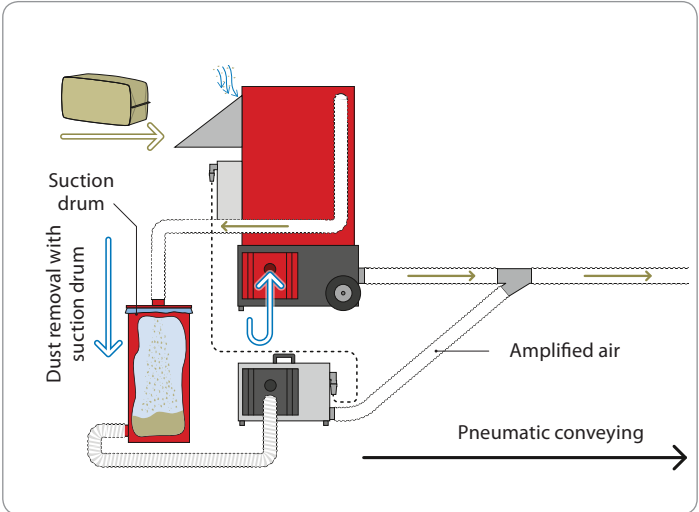
Amplifier aspiration function



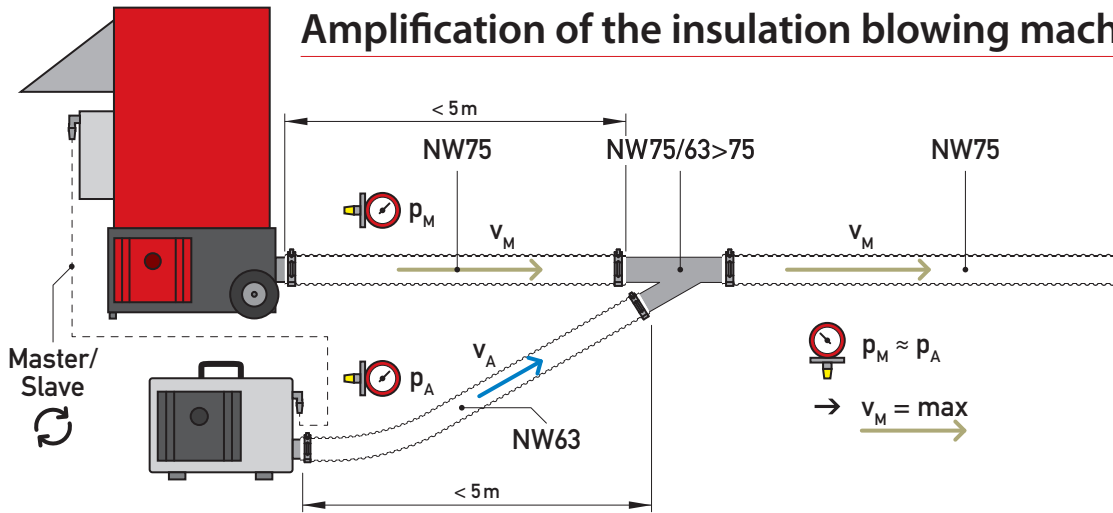
Dust removal



Amplified blowing injection with dust removal



Amplification of the insulation blowing machines' air power



The insulation blowing machines' air power can be optimized by using an amplifier/vacuum station. For an effective and trouble-free performance increase of a blowing machine by means of amplifier/extraction technology, the following principles must be observed:

1.) Performance of the insulation blowing machine

The dynamic pressure (p_M) measured at the insulation blowing machines' outlet is decisive for an effective amplification effect. It is therefore important that the insulation blowing machine is in perfect maintenance condition. For this purpose, the air filters, hosing, check valves and airlock seals may need to be checked.

2.) Balancing the back pressure of the insulation blowing machine and the amplifier/vacuum station

The dynamic pressure (p_M) measured at the outlet of the insulation blowing machine has to correspond approx. with the pressure (p_A) of the amplifier/vacuum station ($\pm 10\%$).

Note: In case of strongly divergent dynamic pressures undesired

backflows towards the insulation blowing machine or towards the amplifier/vacuum station can appear. The desired amplification effect will not be achieved.

3.) Synchronization of the blowing machine and the amplifier/vacuum station

With the interlinked system consisting of the blowing machine and the amplifier/vacuum station, synchronous operation (master/slave) of the two machines is possible. If the machines are not properly synchronized with each other, malfunctions can occur after a short time due to undesired material jams (stoppers).

All X-Floc insulation blowing machines have an auxiliary device box to which the amplifier/vacuum station can be connected via control cable (master/slave). Via this connection, start and stop signals as well as the power settings for the supply air units of the machine are transmitted to the amplifier/vacuum station. When using insulation blowing machines of other brands, a suitable additional device box may have to be installed subsequently.

Sets and accessories

Sets	Description	Prod.no.
	VS28 Complete Set consisting of amplifier/vacuum station, all necessary connector parts and • suction drum 115 L • suction drum 250 L	2886 5017
	VS33 Complete Set consisting of amplifier/vacuum station, all necessary connector parts and • suction drum 115 L • suction drum 250 L	5939 5940
	Connecting Set for Amplifier consisting of 1x connection control cable, 1x stainless steel Y-piece, 2x 1,5m hose and 4x hose clamp • NW63/63>63 • NW63/75>75 • NW63/90>90 • NW75/75>75 • NW75/90>90	4935 4934 7870 9304 9302

Accessories	Description	Prod.no.
	Suction Drum • 115 L • 250 L inclusive 5x woven PP sack, 1x 1,5m hose piece, 4x hose clamp and reducer piece NW75<63 / NW75<50	1160 3075
	Pressure Gauge D=117 Measurement range: 0-0,6 bar	7079
	Woven Polypropylene (PP) Sack • 70×100 cm • 100×150 cm	1085 801
	Connection Control Cable • 2,5 m • 5 m • 25 m • 50 m	1351 1856 1192 1193
	Stainless steel Y-Piece • NW63/63>63 • NW63/75>75 • NW63/90>90	3955 2221 6670



X-Floc insulation blowing mobiles

Individual and practical vehicle constructions



Everything directly on site!

- ▶ Standard work equipment and customised solutions
- ▶ Trailer, container and transport vehicles due to your requirements



X-Floc insulation blowing mobiles

Vide range of applications

Thermal and acoustic insulation, fire protection or special effects: the high processing speed and the clean filling of the cavities make the blow-in method the first choice for many areas of application. The insulation blowing mobile makes the blow-in process even more efficient and also enables flexible working.

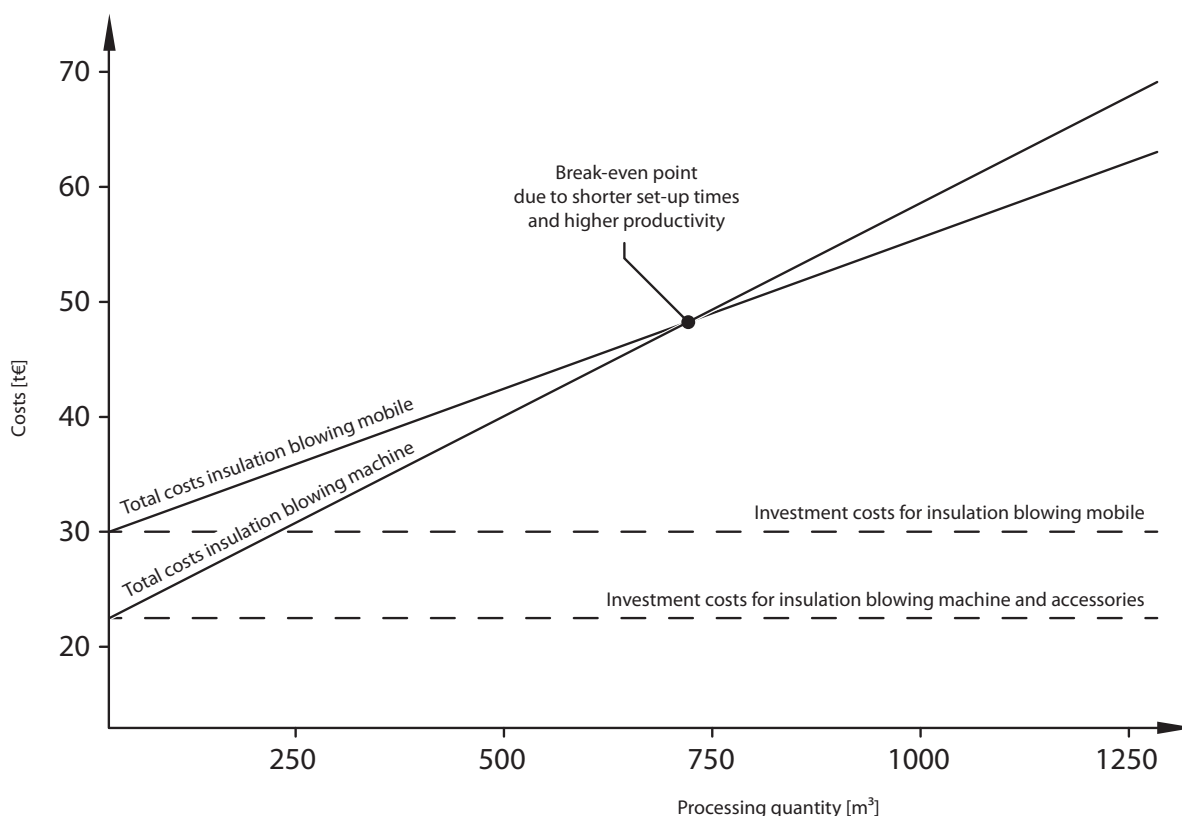
X-Floc insulation blowing mobiles are suitable for beginners, but also for companies with several teams of blow-in technicians. Furthermore, they are an interesting option for building material dealers to offer a rental vehicle for the introduction of blow-in insulation. With a blow-in mobile from X-Floc, you have everything directly on site without long set-up times!

Advantages at a glance:

- ▶ Customised trailer, container and vehicle equipment
- ▶ 100 km/h approval (suitable for short and long distances)
- ▶ Individual exterior design (tarpaulin/box trailers)
- ▶ Handcrafted, durable products
- ▶ Individual planning according to customer requirements



Total cost comparison



X-Floc insulation blowing mobiles

Highly customisable

The X-Floc insulation blowing mobiles are fully equipped trailers, transport vehicles and containers for all blow-in technicians. Your insulation blowing machine is optimally placed on the trailer or vehicle. For this purpose, a system plan with hosing and electrical installation is worked out. In addition, a secure stowage solution is prepared for each piece of equipment.

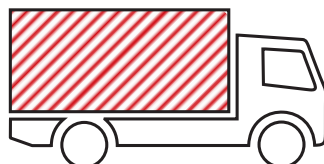
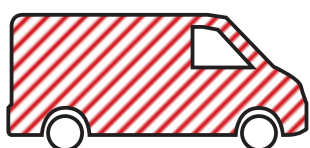
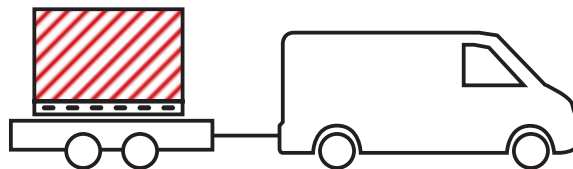
The numerous equipment options include among others:

- ▶ M95, EM300, EM400 and EM500 series blowing machines
- ▶ Tarpaulin body or box body
- ▶ Full electrical installation with lighting
- ▶ Translucent roofs
- ▶ Hosing with hose reel, fibre switch, suction drum and amplifier/vacuum stations
- ▶ Stowage solutions (shelves, drawers or suspensions)
- ▶ Drive-on ramp (can be folded out)
- ▶ Storage space for insulation material



Mobility as desired

Customised trailer, vehicle superstructures or conversion of a motor vehicle: we realise blow-in mobiles due to customer requirements.



Trailer conversion

- ▶ Box trailers
- ▶ Tarpaulin trailers
- ▶ Single or double axle
- ▶ Dimensions freely selectable

Container extension

- ▶ Customised container
- ▶ on flatbed truck
- ▶ on flatbed trailer

Vehicle extension

- ▶ Transporter
- ▶ Truck

Tarpaulin trailer

Advantages at a glance:

- ▶ Suitable for long distances
- ▶ Light height: 2 m, gable: 2,10 m
(increase possible in 10 cm steps)
- ▶ Permissible total weight: 2000 kg or 2500 kg
(Other permissible total weights possible on request,
low loader max. 3000 kg and high loader max. 3500 kg)
- ▶ Due to the low total weight also well suited
for smaller towing vehicles



- ① Insulation blowing machine
- ② Transport safe fastening
- ③ Fibre switch
- ④ Hose reel
- ⑤ Equipment cabinet
- ⑥ Electrical installation
- ⑦ Test element
- ⑧ Suction drum

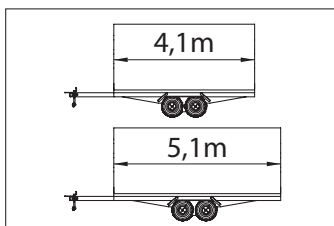


X-Floc insulation blowing mobiles – Vehicle equipment and conversion

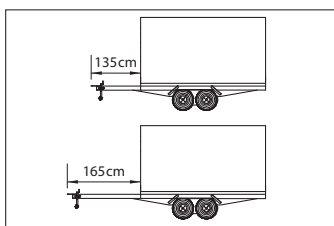
Tarpaulin trailer

Further advantages:

- ▶ Length (e.g. 4 m or 5 m) freely selectable
- ▶ Bright interior due to translucent tarpaulin and/or due to the use of LED technology
- ▶ Electrical cabling to establish the power supply
- ▶ Ergonomic arrangement of the workstation
- ▶ Additional space for further material
- ▶ Wide range of configuration possibilities
- ▶ Large external surfaces for advertising



Tarpaulin body length



Advantages when manoeuvring due to extended drawbar



Box trailer

Advantages at a glance:

- ▶ Due to the low dead weight also well suited for smaller access vehicles
- ▶ Low air resistance
- ▶ Approved for speeds up to 100 km/h
- ▶ Suitable for short and long distances
- ▶ Wide range of configuration options
- ▶ Injection tools stowed away clearly and easily accessible
- ▶ Permissible total weight (1-axle) up to 1800 kg



- ① Insulation blowing machine
- ② Hose mount
- ③ Intake air
- ④ Lighting
- ⑤ Hose reel
- ⑥ Suction drum
- ⑦ Equipment cabinet
- ⑧ Control box

Single-axle box trailer, L = approx. 2.5 m
with drive-on flap made of aluminium chequer plate



1-axle box body



2-axle box body

X-Floc insulation blowing mobiles – Vehicle equipment and conversion

Box trailer

Further advantages:

- ▶ Permissible total weight (2-axle) up to 2700 kg
- ▶ Optionally with 2-wing rear door or drive-on flap
- ▶ Weather protection (e.g. can be extended with side flaps)
- ▶ Increased theft protection
- ▶ Bright interior lighting
- ▶ Ergonomic arrangement of the workplace
- ▶ Additional space for further material
- ▶ Large exterior surfaces for advertising



Tandem box trailer, L = approx. 3m
with drive-up flap and espagnolette lock



Tandem box trailer, L = approx. 4 m
with 2-wing rear door and espagnolette locking system



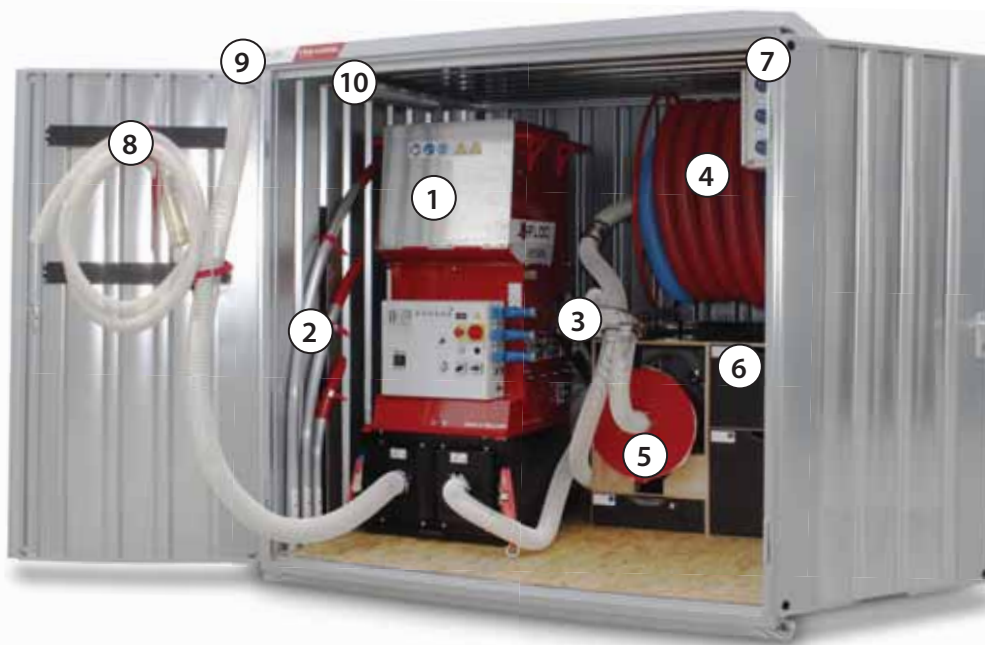
Tandem box trailer, L = approx. 4 m
with drive-up flap and espagnolette locking system

X-Floc insulation blowing mobiles – Vehicle equipment and conversion

Container

Advantages at a glance:

- ▶ Individual injection system thought out down to the last detail in the container
- ▶ Many container shapes possible
- ▶ Optional solution for flatbed vehicles / trailers
- ▶ Very well suited for rental services
- ▶ Compressed air supply and power generator



- ① Insulation blowing machine
- ② Blow-in needles
- ③ Fibre switch
- ④ Hose reel
- ⑤ Suction drum
- ⑥ Equipment cabinet
- ⑦ Electrical installation
- ⑧ Hose mount
- ⑨ Intake air
- ⑩ Electrical lighting



X-Floc insulation blowing mobiles – Vehicle equipment and accessories



Hose storage
Art. no. 6565

Ready assembled and consisting of:

- ▶ Hose reel D1000 plus
- ▶ Connection set NW75



Organisation and storage system
Art. no. 7526

The ready-assembled cabinet with two drawers is perfect for stowing accessories such as hose and reducer connectors, hose clamps and other small parts.



Exhaust system
Art. no. 6566

Ready assembled and consisting of:

- ▶ Fibre switch 2>3 NW75
- ▶ Connection set NW75
- ▶ Suction drum V=115 L

The fibre switch is equipped with two inputs and three outputs. This enables switching between blowing and suction operation. Leftovers and old building materials from construction side are collected in the suction barrel. In addition, an active dust extraction can be installed on the ventilation socket of the insulation blowing machine.



Interior lighting
Art. no. 6569

Pre-installed and consisting of:

- ▶ 2x LED damp-proof diffuser luminaire 18W/36W, 1800lm
- ▶ 3x 1,5m installation cable



Suction drum V=115ltr / 250ltr
Art. no. 1160 / 3075

The suction drum enables cleaning of the work site. It has a hinged lid with quick-release fastener and thus allows fast exchange of ribbon fabric bags.



Electrical installation
Art. no. 6570 (230V)
Art. no. 6571 (400V)
Art. no. 7865 (230V/400V)

Pre-installed and consisting of:

- ▶ Light switch
- ▶ Schuko socket (max. 50W)
- ▶ 2x wall appliance plug CEE
- ▶ 2x surface mounted socket CEE
- ▶ Automatic circuit breaker
- ▶ LEDs for monitoring main connection (3 phases) and additional connection (1 phase)



Box lock, 1-piece with lock
Art. no. 8169

The drawbar lock made of galvanised, robust steel provides increased theft protection.



Additional accessories:

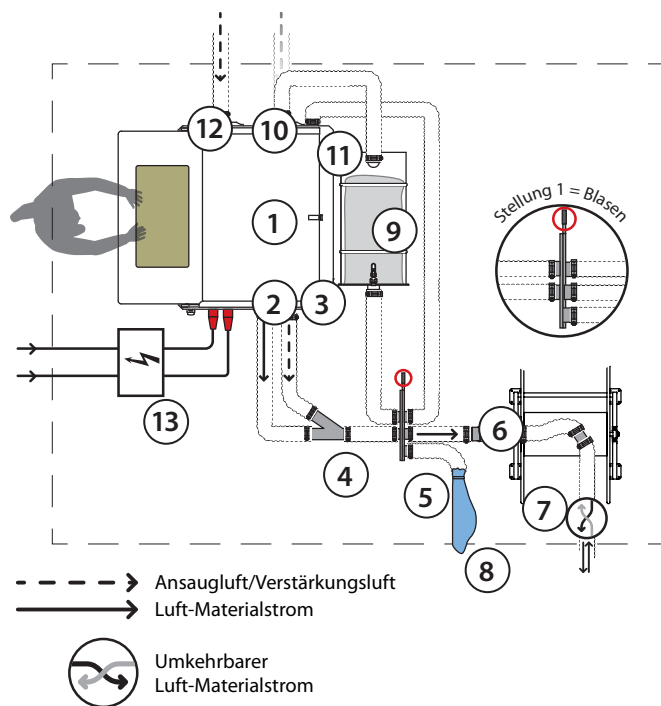
- ▶ Insulation blowing needles
- ▶ Injection nozzles
- ▶ Rotary nozzles
- ▶ Hole saws
- ▶ Density testing sets
- ▶ Thickness gauges
- ▶ Sealing sponges
- ▶ Detachable tubing ports
- ▶ Injection bezels
- ▶ Testing units
- ▶ Aluminium staircases with 2 or 3 steps
- ▶ Hose clamps
- ▶ Reducer tube connectors



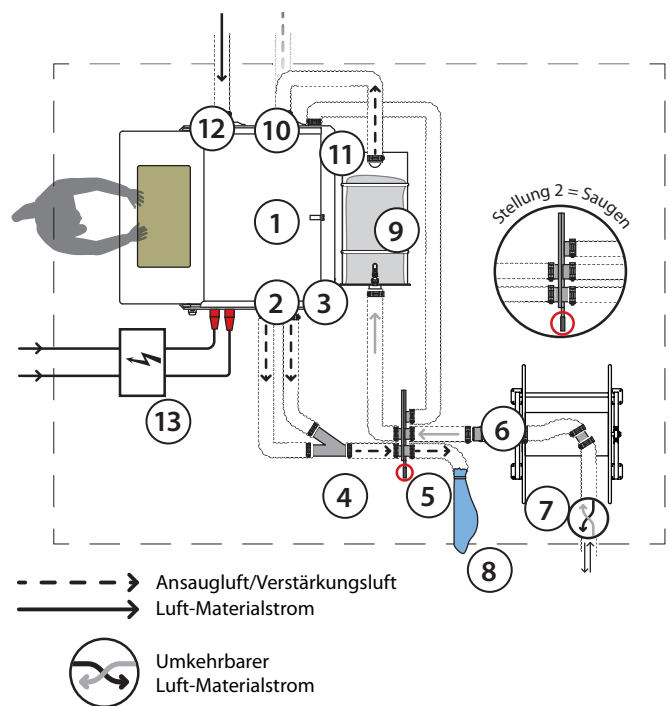
For more information about the accessories, see our brochures.

X-Floc insulation blowing mobiles – Functional principles

System drawing injection mode



System drawing suction operation



- | | | | |
|------------------------------|-------------------------|---------------------------|----------------------------|
| 1 Insulation blowing machine | 4 Y-piece NW75/63>75 | 7 Suction drum D1000 plus | 10 Intake air filter |
| 2 Outlet socket | 5 Fibre switch 2>3 NW75 | 8 Ribbon fabric bag | 11 Air vent |
| 3 Amplification socket | 6 Rotary hose connector | 9 Suction drum 115L/250L | 12 Intake filter |
| | | | 13 Electrical installation |

Available with your ad imprint

The large surfaces of the X-Floc insulation blowing mobiles – especially tarpaulin and box trailers – offer excellent space for effective advertising.

We will gladly support you with layout suggestions or templates for advertising designs which will be done on the part of the customer. We adapt our ready-made artworks (you will find a few examples on the next page) to your needs free of charge, and even if you already have an existing motif, our media communications department may assist you to realise it with pleasure.

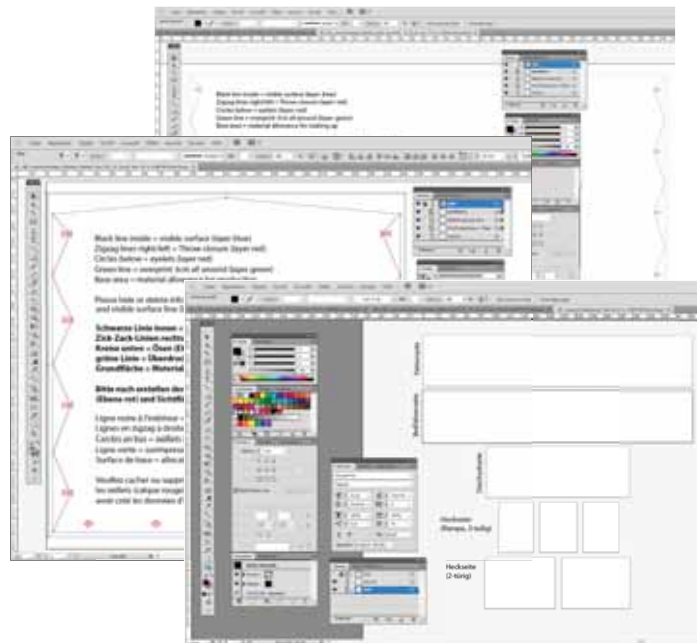
If you use the X-Floc logo (and our illustrations) for your advertising message, you will receive a discount!



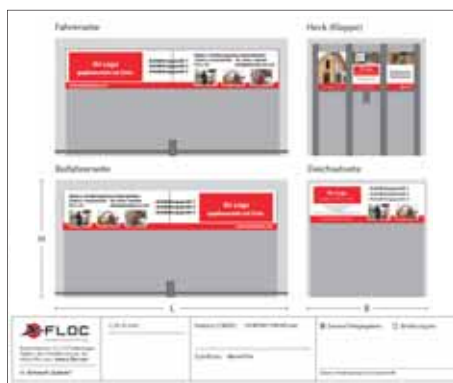
X-Floc insulation blowing mobiles – Advertising imprint

Would you like to design your ad imprint yourself or commission an advertising agency of your choice to create the artwork? Our media communication department will gladly provide you with the standard file templates as well as our brochure „Layout specifications for the advertising imprint of insulation blowing mobiles“.

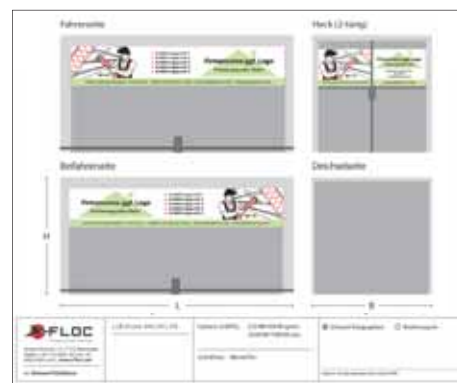
Still no idea for your advertising print? Below you will find a small selection of our reference motifs. For a larger selection of references and further information, please visit our website or contact us directly. We will advise you with pleasure!



X-Floc design (Layout2) for tarpaulin trailer HR



X-Floc design (Layout03) for box trailer with flap



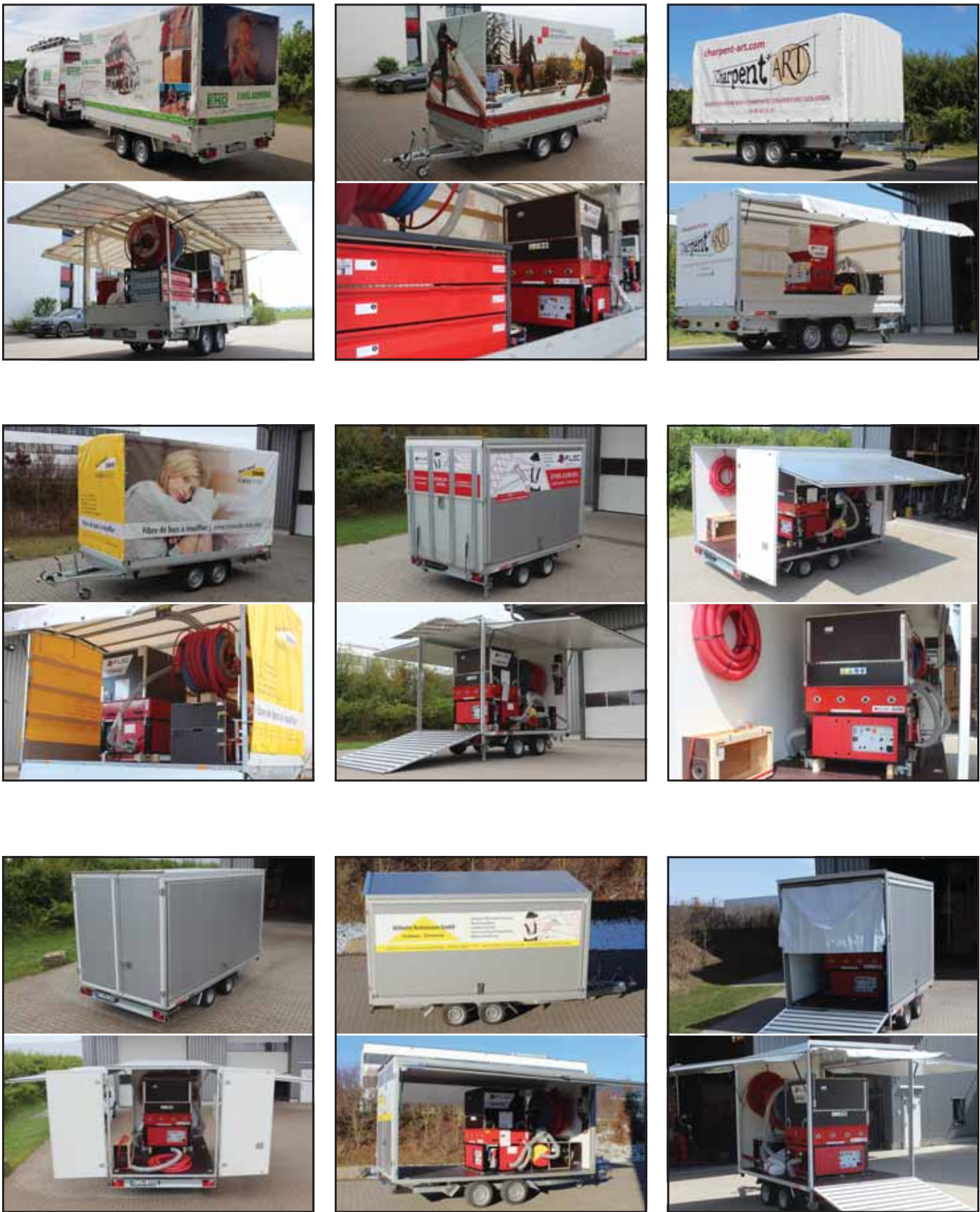
X-Floc design (Layout01) for 2-door box trailer

References



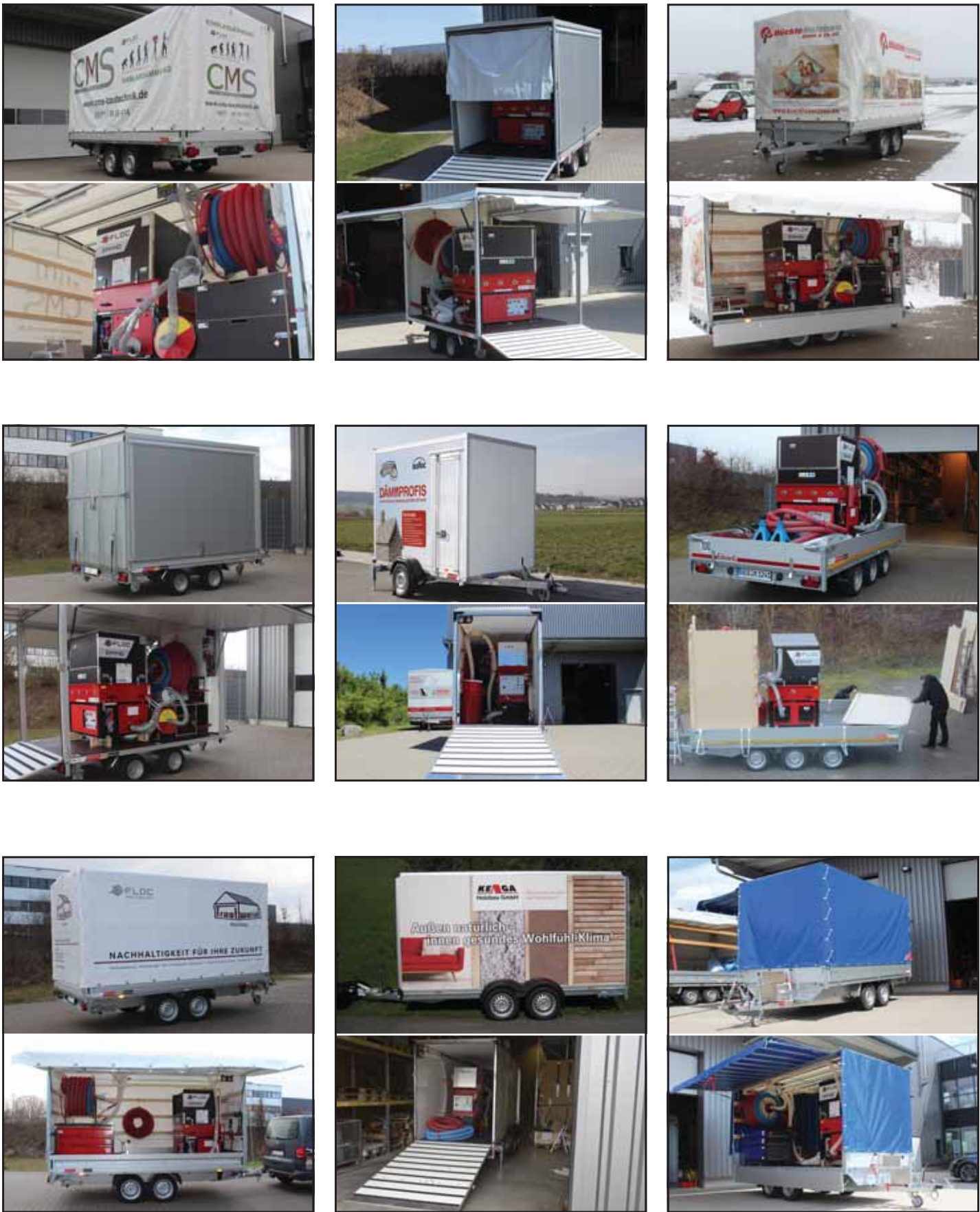
X-Floc insulation blowing mobiles – Vehicle equipment examples

References



X-Floc insulation blowing mobiles – Vehicle equipment examples

References



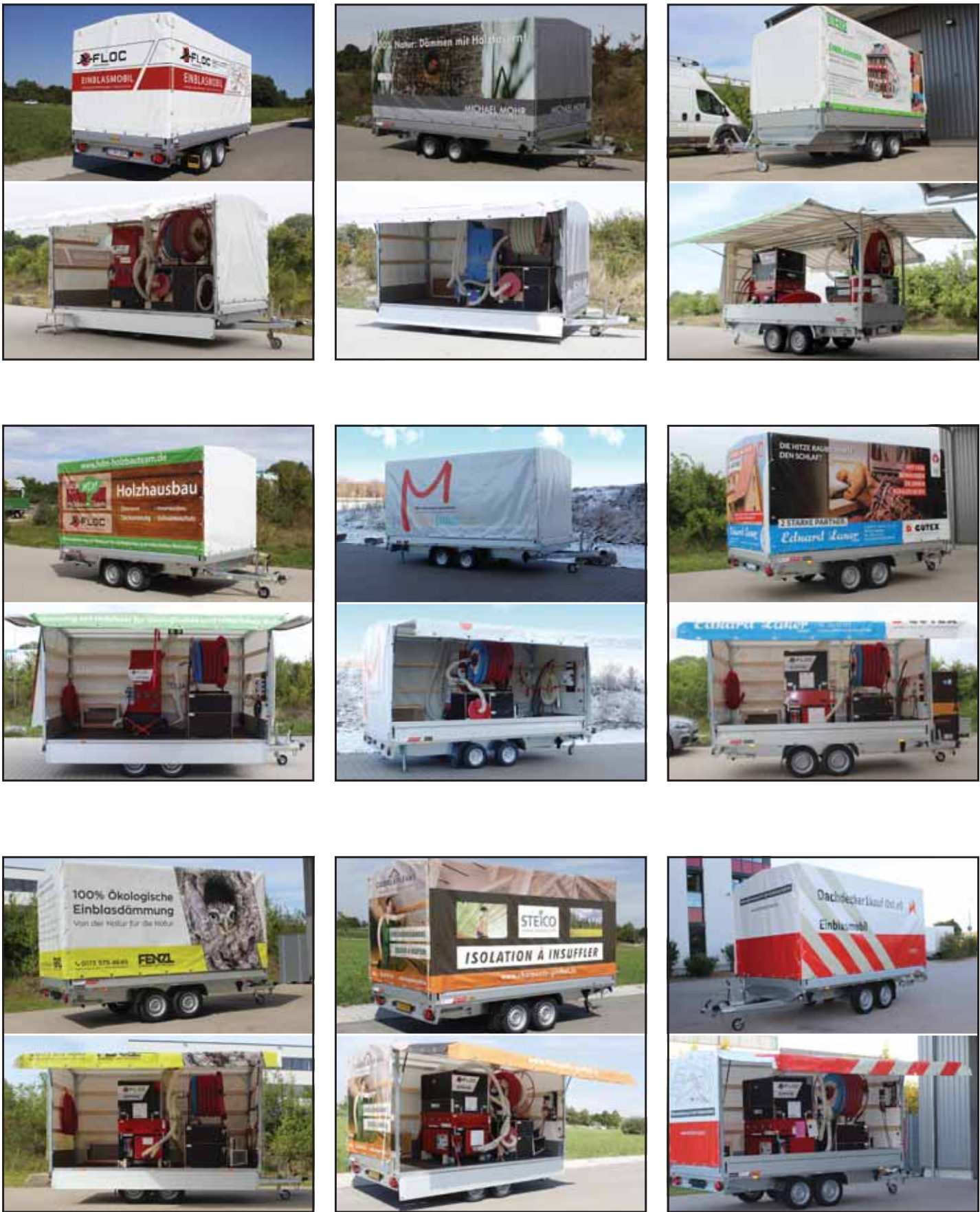
X-Floc insulation blowing mobiles – Vehicle equipment examples

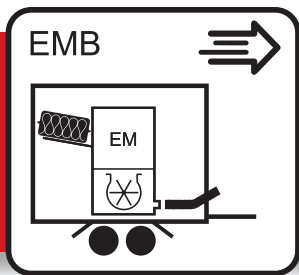
References



X-Floc insulation blowing mobiles – Vehicle equipment examples

References





X-Floc – the brand for quality and innovation in blow-in technology.

Since its foundation in 1994, X-Floc Dämmtechnik-Maschinen GmbH has been developing, manufacturing and selling insulation blowing machines and accessories. Our customers include many trades and installation companies, carpenters, roofing companies as well as joineries, drywallers and the like. For prefabricated house manufacturers, we supply complete filling systems since 2014, which enable the industrial production of elements with blow-in insulation.

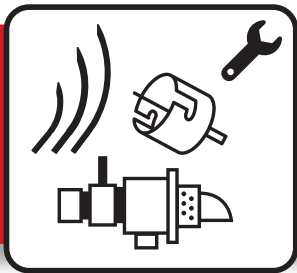
Because we have always developed our technology hand in hand with our customers and the manufacturers of loose insulation materials, our products are compatible with almost all blow-in products available on the market. With our great innovative strength, product diversity and the valued service, we are recognised worldwide as a specialist in pneumatic conveying. Our high quality standards and the „Made in Germany“ seal are also among the most important criteria for the choice from our customers.



X-Floc Dämmtechnik-Maschinen GmbH
Rosine-Starz-Straße 12 · 71272 Renningen · Germany
Telefon: +49-7159-80470-30 · Fax: -40
E-Mail: info@x-floc.com · www.x-floc.com

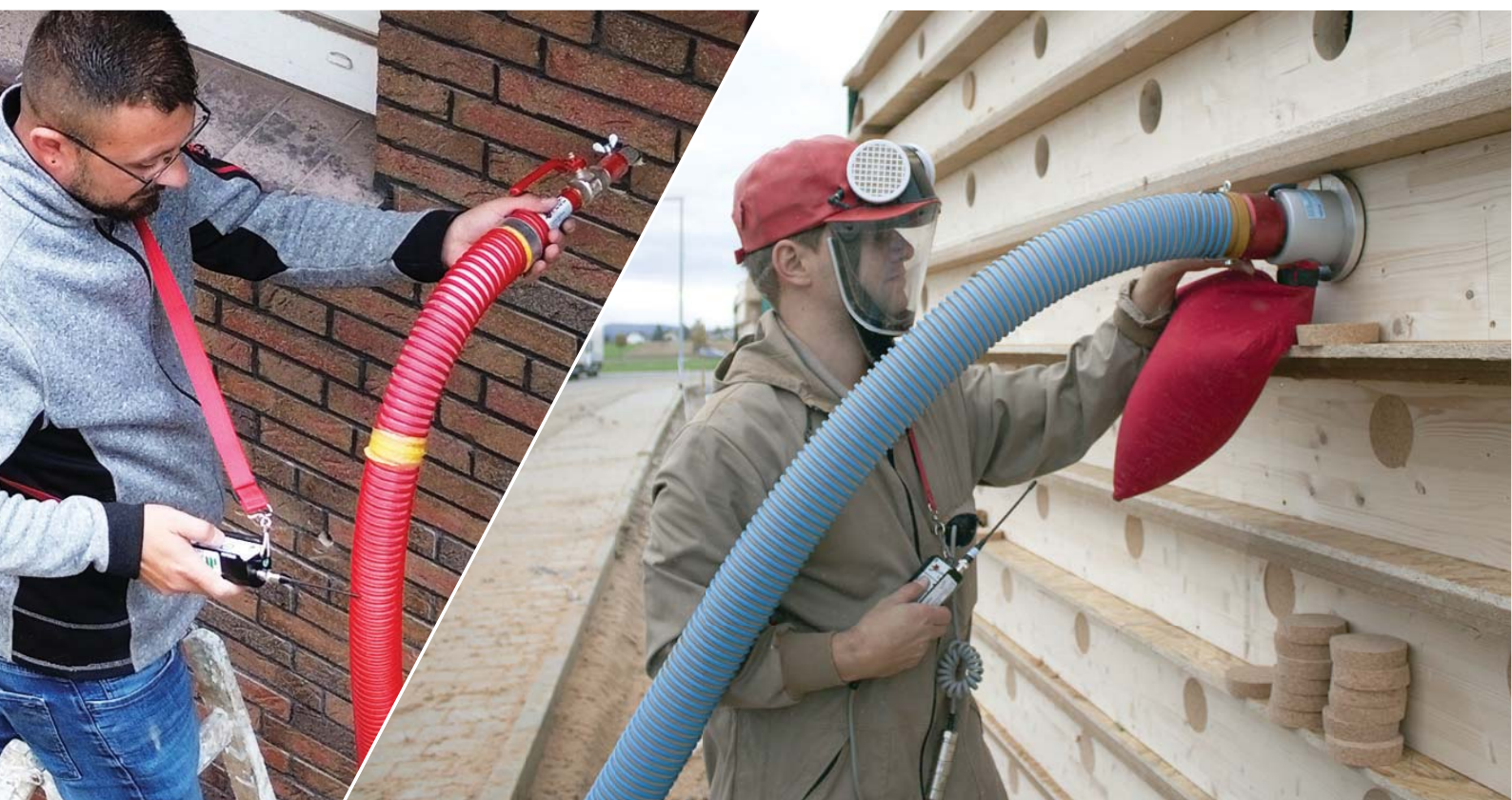
Your X-Floc representative





Nozzles and blowing accessories

The right injection tool for every application



Nozzles and blowing accessories

- ▶ Injection nozzles and rotary nozzles
- ▶ Injection needles and lances
- ▶ Insertion, sealing and venting accessories
- ▶ Hole saws and sealing parts

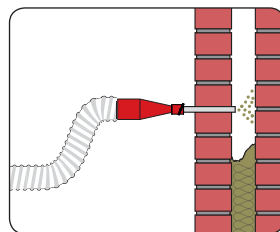


X-Floc Injection nozzles

Injection nozzles with pipe adapter (and ball valve)

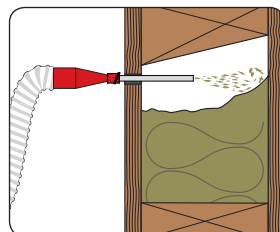
Injection nozzles are particularly suitable for blowing fibre and core insulation materials (e.g. cellulose, EPS granulate) into double-shell masonry as well as for blowing in and re-compacting the insulation in joints, reveals and other small, hard-to-reach cavities. Injection nozzles are an indispensable tool in core insulation and a good choice for stud wall constructions and renovations. With these nozzles, the material flow in the cavity can be optimally directed and a large filling radius can be achieved. The throughput of insulation material is depending on the pipe size.

The injection nozzles require only small blow-in openings, which are not conspicuous or easy to conceal due to their small diameter. In exposed formwork for example, the boreholes can be closed again after backfilling with small cross-bar imber pieces. Thanks to their interchangeable inserts, the injection nozzles are also suitable for applications where abrasive insulation materials are used. The nozzle tube can be easily replaced by means of a wing nut lock, and longer tubes can be used for large insertion depths.



► Cavity wall insulation

Injection nozzles are often used for cavity walls made of brickwork.



► Stud walls/renovation

Small and difficult-to-access cavities are another main area of application for injection nozzles.

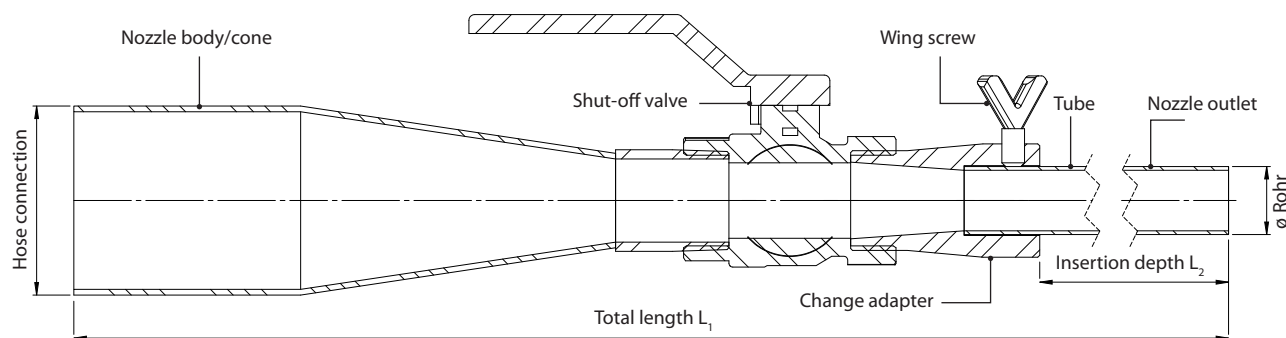


Injection nozzle	ED38>18	ED38>18	ED50>14	ED50>14	ED50>16	ED50>18	ED50>18	ED50>18	ED50>18	ED50>21	ED50>21
Art.no.	5710	6377	11388	11460	11840	11387	11109	11803	11804	4959	5998
Nozzle outlet	straight	45°	straight	straight	straight	straight	straight	45°	45°	straight	straight
Shut-off ball valve	●	●	○	●	●	○	●	○	●	○	●
45° Outlet wear-resistant	○	●	○	○	○	○	○	●	●	○	○
Pipe ø (mm)	18	18	14	14	16	18	18	18	18	21	21
Total length L ₁ (mm)	430	430	320	400	400	320	385	430	510	310	385
Insert. depth L ₂ (mm)*	220	220	130	130	130	130	130	250	250	130	130
Hose connection	NW38 (1½")	NW38 (1½")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")
Spacer	optional	optional	optional	optional	○	optional	optional	optional	optional	optional	optional
Drill hole ø (mm)	>18	>18	>14	>14	>16	>18	>18	>18	>18	>21	>21
Weight (kg)	0,5	0,5	0,4	0,6	0,8	0,4	0,9	0,6	0,9	0,4	0,4

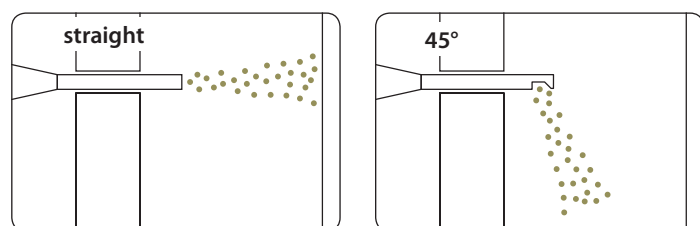
All values approximate. ● suitable/yes ○ no details/no *Indicated insertion depth = standard, other pipe lengths possible on request

X-Floc Injection nozzles

Dimensioning principle injection nozzles with pipe adapter and ball valve



Characteristics of the different nozzle outlets



Accessories (optional)

Accessories	Diameter	Art.no.
Spacer	\varnothing 14mm	11786
Ring for marking/limitation of the insertion depth, Material PE	\varnothing 18mm	5945
	\varnothing 21mm	6504
	\varnothing 24mm	2333
	\varnothing 29mm	2334

Other accessories can be found under „Blowing accessories“.



ED50>21	ED50>21	ED50>24	ED50>24	ED50>24	ED50>24	ED50>29	ED50>29	ED50>29	ED50>29	ED50>50	ED63>63	ED50>oval
6017	6201	11244	11435	11805	6415	11389	11456	11806	11457	6889	5670	1737
45°	45°	straight	straight	45°	45°	straight	straight	45°	45°	45°	90°	oval
○	●	○	●	○	●	○	●	○	●	○	○	○
●	●	○	○	●	●	○	○	●	●	●	○	○
21	21	24	24	24	24	29	29	29	29	50	63	50>75x14
430	510	300	385	430	510	285	385	430	510	250	300	250
250	250	130	130	250	250	130	130	250	250	○	○	○
NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW63 (2½")	NW50 (2")
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	○	○	○
>21	>21	>24	>24	>24	>24	>29	>29	>29	>29	>50	>63	>77x15
0,6	0,9	0,4	0,8	0,6	0,8	0,4	0,6	0,6	0,9	0,8	0,6	0,4

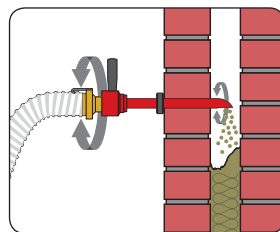
Rotary nozzles: Injection nozzles with pivot bearing

The nozzle pipe of these injection nozzles is equipped with a pivot bearing (sliding bearing). With the help of the turning handle, the nozzle outlet can be turned comfortably.

This function is absolutely necessary for large, high cavities, because it allows the material flow to be directed in a targeted manner. In this way, a homogeneous compaction is achieved that complies with the approval.

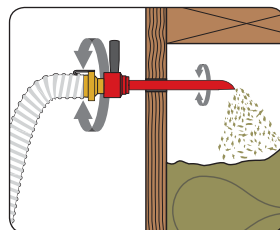
In terms of the field of application, rotary nozzles are more or less the same as injection nozzles. However, in order to blow in elements with a large height or width professionally, a rotary nozzle is required. All X-Floc rotary nozzles have a nozzle outlet with shaping.

In combination with the rotating mechanism, the advantages of the steerable material flow are achieved. When working with rotary nozzles, it is important to note that the planking thickness is smaller than the insertion depth.



► Cavity wall insulation

Rotary nozzles are often used in cavity wall insulation, where insulation material is inserted through a narrow opening in a two-shelled masonry wall.



► Stud walls/restoration

Cavities that are difficult to access with great height or width are another main area of application for rotary nozzles.

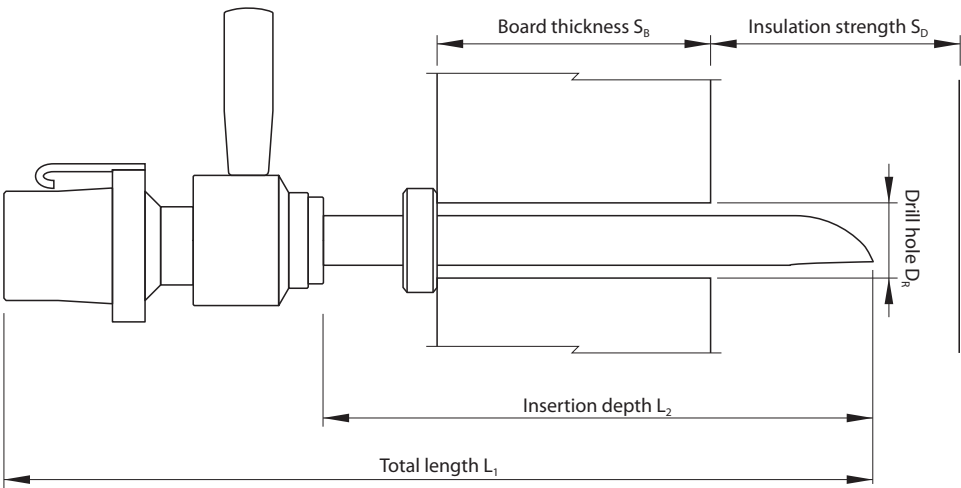


Rotary nozzle	DD50>24	DD50>24-45°	DD50>24-90°	DD50>29	DD50>29-90°	DD50>35	DD50>35-45°	DD63>35	DD63>35	DD50>29-45°
Article number	852	6291	2828	544	4788	3569	6297	2496	8503	8081
Nozzle outlet	shaped	45°	angled*	shaped	angled*	angled*	45°	angled*	shaped	45°
Insulation strength S_0 (cm)	>4	>4	>4	>4	>4	>4,5	>4,5	>4,5	>4,5	>4
Suitability insulation materials:										
Cellulose	●	●	●	●	●	●	●	●	●	●
Wood fibre	○	○	○	○	○	○	○	○	○	○
Glass and rock wool	○	●	○	○	○	○	●	○	○	●
Bulk materials	●	●	●	●	●	●	●	●	●	●
Pipe diameter (mm)	24	24	24	29	29	35	35	35	35	29
Total length L_1 (mm)	420	420	380	350	445	337	337	337	337	420
Insertion depth L_2 (mm)	277	277	235	209	300	195	195	195	195	270
Hose connection	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW50 (2")	NW63 (2½")	NW63 (2½")	NW50 (2")
Hose fastener	●	●	●	●	●	●	●	●	●	●
Spacer	●	●	●	●	●	●	●	●	●	●
Drill hole required (mm)	>26	>26	>26	>30	>31	>37	>37	>37	>37	>31
Material	steel/alu	steel/alu	steel/alu	steel/alu	steel/alu	steel/alu	steel/alu	steel/alu	steel/alu	steel/alu
Surface	powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised
Weight (kg)	1,0	1,0	1,0	1,0	1,0	1,1	1,1	1,1	1,1	1,0

All values approximate. ● well-suited/yes ○ recommended with limitation ○ unsuitable/no/no details

X-Floc Rotary nozzles

Dimensioning principle rotary nozzles



DD63>35-45°	DD75>50	DD75>50-45°
7146	2997	8128
45°	angled*	45°
>4,5	>5	>5
● ○ ● ●	● ○ ● ●	● ● ● ●
35	50	50
333	360	370
195	213	230
NW63 (2½")	NW75 (3")	NW75 (3")
● ●	● ●	● ●
>37	>52	>52
steel/alu	steel/alu	steel/alu
powder-coated/ anodised	powder-coated/ anodised	powder-coated/ anodised
1,1	1,1	1,1

Injection nozzles:

General information

- ▶ Nozzle outlet angled*: 90°
Pipe bend and straight sawn off ensures good deflection of the material flow with good insertion into the drill hole.
- ▶ The larger the nozzle, the higher the flow rate
- ▶ With small nozzle cross-sections (<30mm), the flow of material must be reduced by means of a sluice gate on the machine.
- ▶ For materials with a high specific weight (<80kg/m³) hoses with smaller cross-sections are preferable to increase the air speed.
- ▶ The cranked or angled nozzle outlet can be used for abrasive fluids can wear out wear out in a short time.



Cavity wall insulation



Manhole filling

X-Floc Rotary nozzles

Ventilated rotary nozzles

With dry injection, loose insulation material is inserted through a into fully closed cavities (stud wall constructions) through a injection hole. The filling takes place by means of a vented rotary nozzle from the bottom upwards, whereby air transports and distributes the insulation material. An overpressure is created in the cavity during the blowing process, which compresses the insulation material as the filling level increases. Excess air is removed in a controlled manner. With the help of the vented rotary nozzle, the excess air is guided through the perforated plate cage into the dust bag, filtered and discharged from the component. This reduces the amount of dust generated during injection to a minimum. Blowing in with a ventilated rotary nozzle also saves time and effort.



Dry injection with a ventilated rotary nozzle

Passive venting

The excess air is discharged automatically by the overpressure..

Active venting

The excess air is actively removed in a controlled manner by a suction device at the outlet nozzle of the rotary nozzle.

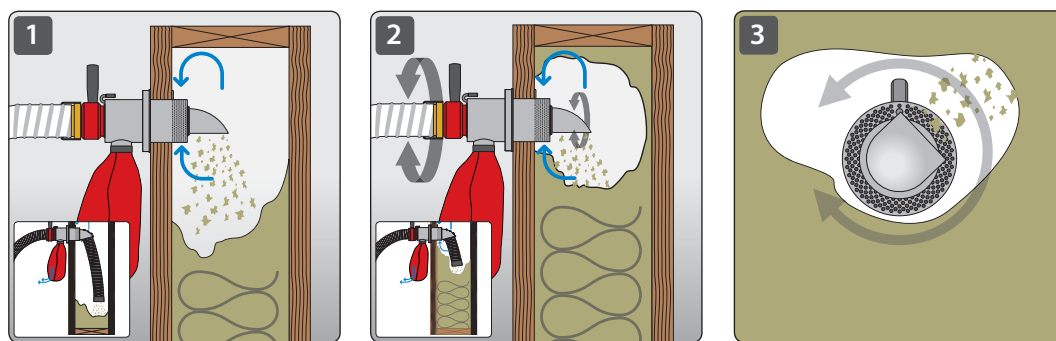


Rotary nozzle	X-Jet 63	X-Jet 63 with clamping ring	X-Jet 75	X-Jet 75 with clamping ring	J-Jet 75	J-Jet 75>75	S-Jet 63 ¹⁾
Article number	1708	3843	1789	2929	3795	8477	4910
Nozzle outlet	angled*	angled*	angled*	angled*	angled*	angled*	shaped
Passive/active venting	●	●	●	●	●	●	●
ø Nozzle pipe/hose (mm)	35	35	50	50	50	60	NW63
Suitability insulation materials:							
Cellulose	●	●	●	●	●	●	●
Wood fibre	○	○	●	●	●	●	●
Glass and rock wool	○	○	●	●	●	●	●
Bulk materials	○	○	○	○	○	○	○
Insulation strength min. S_0 (cm)	>5,5 ²⁾	>7,5	>8,5 ²⁾	>10	>14	>14	>16
Insulation strength max. S_0 (cm)	<30	<20	<40	<40	<45	<60	<60
Board thickness S_8 (mm)	<40	15...35	<40	15...35	10...75	10...75	10...75
Flange adjustable	○	○	○	○	●	●	●
Total length L_1 (mm)	333	333	371	371	426	465	390
Insertion depth L_2 (mm)	L_3-S_8	L_3-S_8	L_3-S_8	L_3-S_8	140	160	160
Length L_3 (mm)	98	82	126	110	○	○	○
Hose connection D_5	NW63 (2½")	NW63 (2½")	NW75 (3")	NW75 (3")	NW75 (3")	NW75 (3")	NW63 (2½")
Hose fastener	●	●	●	●	●	●	○
Drill hole D_R (mm)	85...87	106,5	106,5...107,5	106,5	105...115	105...115	105...115
Pivot bearing	sliding ring and ball bearing				sliding ring		
Material	steel/stainless steel/alu/plastic				alu/stainless steel		

All values approximate. ● well-suited/yes ○ recommended with limitation ○ unsuitable/no/no details

X-Floc Rotary nozzles

Filling concept

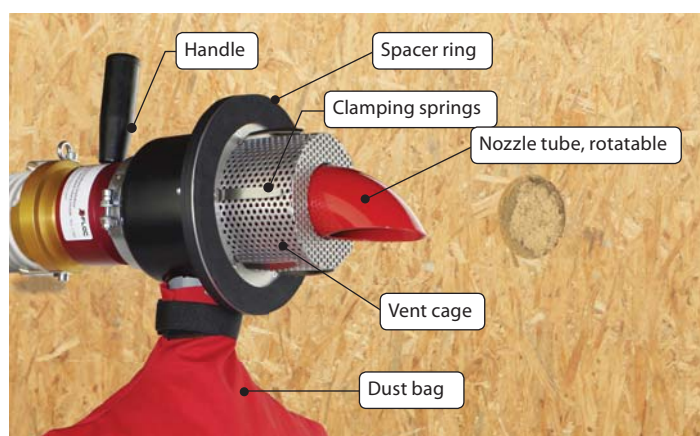


The ventilated rotary nozzle is placed in custom-fit injection hole which is made with a hole saw. The element is filled (1) up to the height of the nozzle outlet. The pressure sound change from a noisy to a airless, quiet pressure sound (2). Now the nozzle outlet must be turned one after another to both element corners thus achieving an ideal insulation density in the upper area (3).

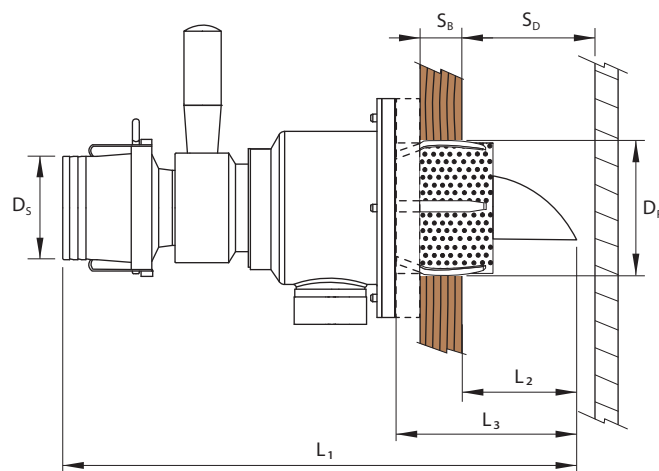
X-Jet: Vented rotary nozzle with clamping springs or clamping ring

Advantages at a glance

- ▶ Reduces the risk of deformation by ventilation
- ▶ Fixation in the drill hole with clamping springs (alternatively with clamping ring)
- ▶ Rotary bearing with sliding ring and ball bearing
- ▶ Available in two sizes NW63 (2½") or NW75 (3"), in each case also available with clamping ring
- ▶ Product variants:
X-Jet 63 art.no. 1708 / with clamping ring art.no. 3843
X-Jet 75 art.no. 1789 / with clamping ring art.no. 2929
- ▶ Clamping ring, suitable for X-Jet 63 / X-Jet 75 retrofittable
- ▶ Technical data: see table on page 6



X-Jet with clamping springs



X-Jet with clamping ring

Accessories	Description	Art. no.
Clamping ring	ø 106,5mm	2223
Spacer ring	10mm	4372
	15mm	4374
	25mm	4373
Hole saw with ejection	ø 106,5mm	4966
Hole saw professional	ø 106,5mm	1733
Hole saw HF with ejection	ø 106,5mm	9145
Sealing corks	ø 106mm	1948
Sealing plugs	ø 106mm	4673

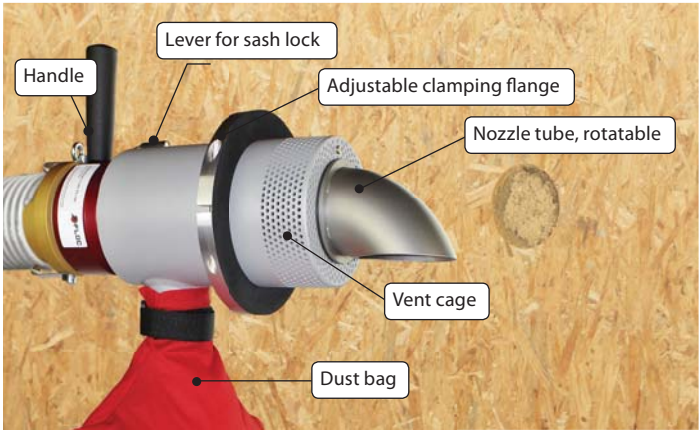
Hole saws ø 85mm as well as sealing corks/plugs ø 85mm and other accessories can be found under the heading „Blowing accessories“.

X-Floc Rotary nozzles

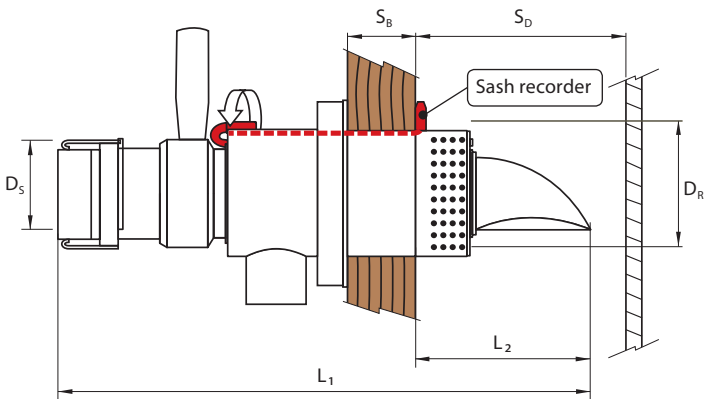
J-Jet: Vented rotary nozzle with adjustable clamping flange

Advantages at a glance

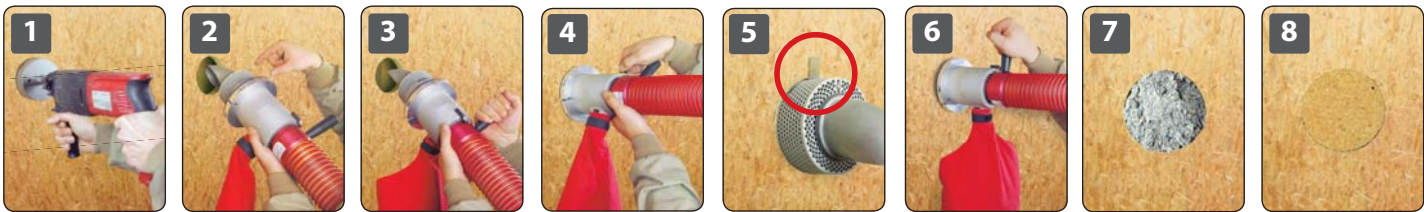
- ▶ Reduces the risk of deformation by ventilation
- ▶ Economical by saving of time
- ▶ Effort-saving operation
- ▶ Dust-free process
- ▶ Simple fixing by sash lock
- ▶ Adjustable clamping flange for different board thicknesses
- ▶ Product variants:
 - J-Jet 75 art.no. 3795
 - J-Jet 75>75 art.no. 8477
- ▶ Technical data: see table on page 6



J-Jet with adjustable clamping flange



Filling concept



Make the injection opening with the help of a hole saw (1) Adjust the clamping flange (2) Insert the rotary nozzle into the injection opening (3) Clamp the nozzle (4) and fix it by means of a sash recorder (5) Inject the insulation material (6) Fill up the tool displacement manually (7) Close the injection opening with a sealing cork (8)



Vented rotary nozzle X-Floc J-Jet: Optimised for high throughputs

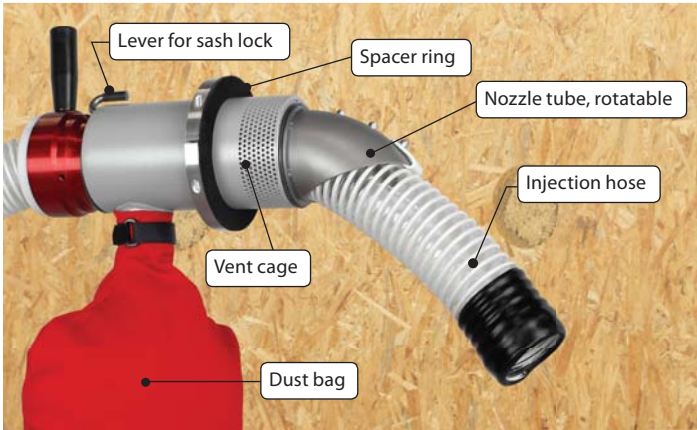
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Hole saw HF with ejection	ø 106,5mm	9145
Sealing corks	ø 106mm	1948
Sealing plugs	ø 106mm	4673

Other accessories can be found under the heading „Blowing accessories“.

X-Floc Rotary nozzles

S-Jet: Vented rotary nozzle with integrated hose feed-through

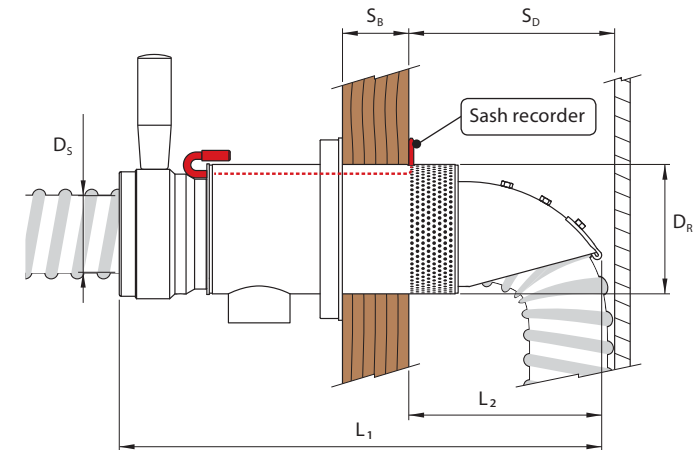
The S-Jet is a logical step in the development of rotary nozzle technology. The fusion of the processes makes it possible to fill deep long cavities and compress them evenly with only one injection tool. Thanks to the sealed hose feed-through, there is hardly any loss of insulation material during injection. The excellent ventilation also ensures minimal dust development and low component stress during blowing. A movable soft NW63 (2½") delivery or blow-in hose is included in the scope of delivery. However, the S-Jet can also be supplied with a stiffer blow-in hose on request.



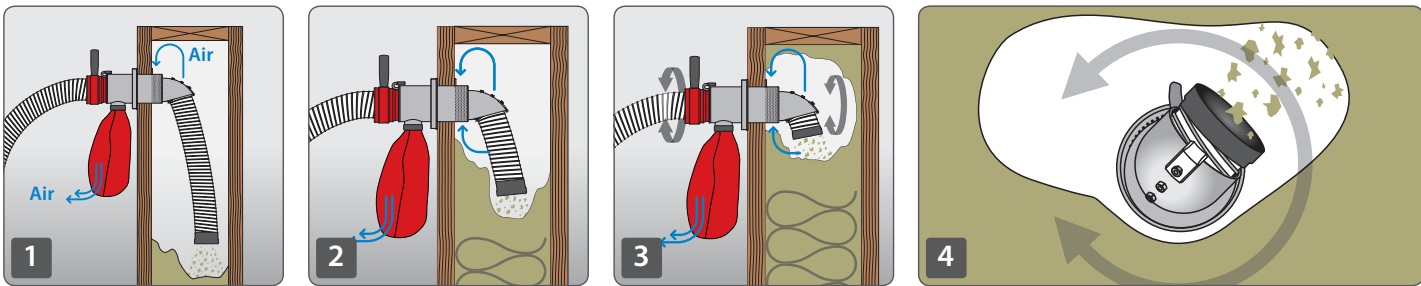
S-Jet with integrated hose feed-through

Advantages at a glance

- ▶ Combines the advantages of hose and rotary nozzle blowing due to integrated hose feed-through
- ▶ Simple fixing by sash lock
- ▶ Adjustable to different planking thicknesses due to adjustable flange
- ▶ Suitable for walls, sloping roofs and ceilings
- ▶ S-Jet 63 art.no. 4910
- ▶ Technical data: see table on page 6



Filling concept



At the beginning of the injection process, guide the hose to the end of the compartment (1) Pull the hose back gradually during filling. The stop at the front end of the hose prevents it from slipping out (2) at the hose stop use like a rotary nozzle (3) Fill the compartment corners by turning the nozzle head (4)



Accessories	Description	Art.no.
Hole saw with ejection	ø 106,5mm	4966
Hole saw professional	ø 106,5mm	1733
Hole saw HF with ejection	ø 106,5mm	9145
Sealing corks	ø 106mm	1948
Sealing plugs	ø 106mm	4673

Other accessories can be found under the heading „Blowing accessories“.

Venting cage and connected dust bag guarantee excellent venting and minimal dust generation. The sash lock and the adjustable flange with gasket close the injection opening well and allow comfortable operation.

X-Floc Injection needles

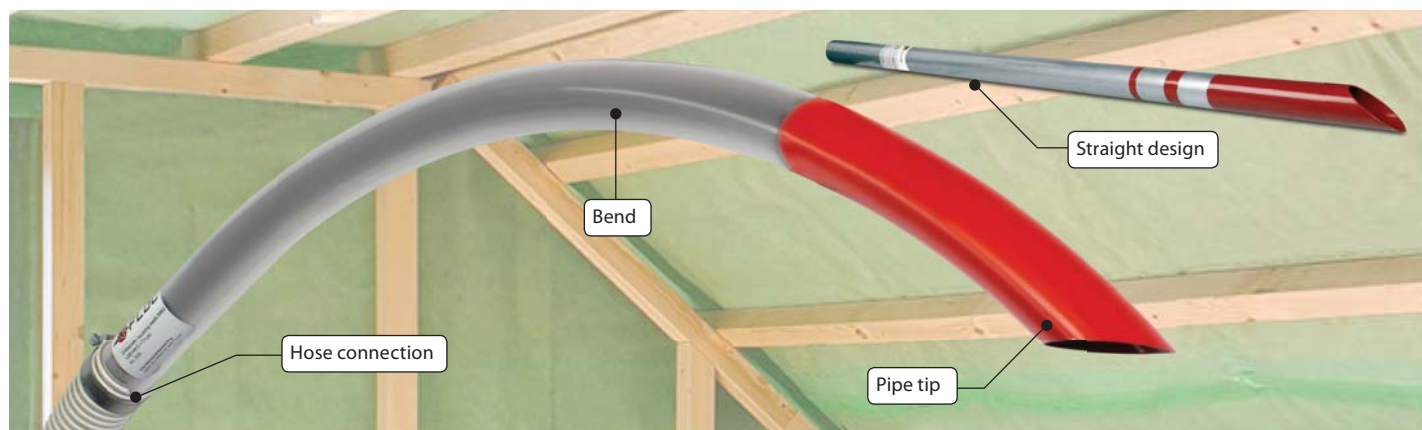
Injection needles with piercing aid

Accurate filling and compacting: X-Floc injection needles are primarily bent aluminium tubes for precise insertion of insulation material, for re-compacting insulation layers and buffer insulation as well as for blowing in slots and hard-boarded compartments with a sufficiently large blow-in outlet. The specially shaped pipe tip facilitates the piercing of foils and boards.

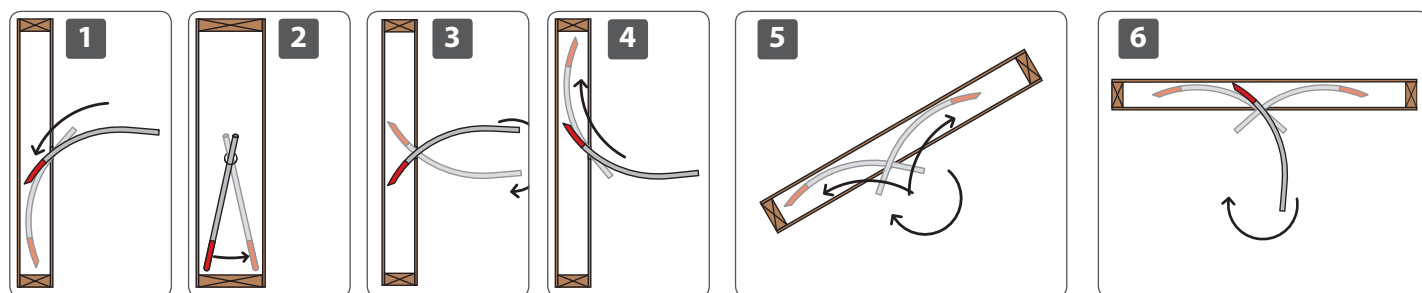
For blowing in horizontal elements and e.g. for blowing in roof slopes (from the unfinished attic), the blowing needles are also available in a straight version.

Advantages at a glance

- ▶ Due to the good ergonomics, climbing steps are not necessary
- ▶ Low weight due to thin-walled aluminium tube
- ▶ Bending makes it easy to reach even distant corners
- ▶ Smooth surface for easy sealing and avoidance of insulation residues when pulling out the needle
- ▶ Specially shaped tube tip with coloured marking for easy shifting or for directing the flow of material.



Filling concept



Example: stud wall

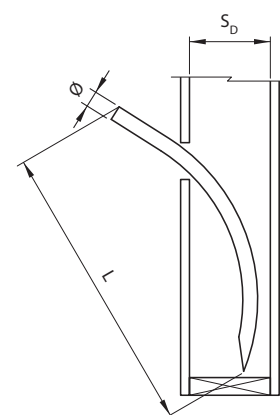
Insert injection needle (1), swivel (2), pull out and turn upwards (3) Fill upper area by swivelling (4)

Example: Sloping roof (5) and ceiling (6)

Start blowing in at the lower end of the rafter

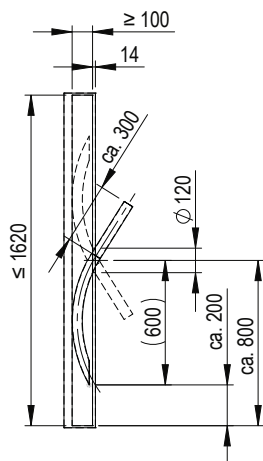
Injection needle	Min. insulation strength S_D	Hose connection \varnothing	Injection opening	Total length L	Art.no.
NW50-100	approx. 100mm	NW50 (2")	\varnothing 120mm	approx. 100cm	6180
NW38-130	approx. 120mm	NW38 (1½")	\varnothing 120mm	approx. 130cm	5304
NW50-140	approx. 170mm	NW50 (2")	\varnothing 120mm	approx. 140cm	5303
NW63-140	approx. 230mm	NW63 (2½")	\varnothing 120mm	approx. 140cm	5836
NW75-140	approx. 310mm	NW75 (3")	\varnothing 120mm	approx. 140cm	6710
NW50-180	approx. 200mm	NW50 (2")	\varnothing 120mm	approx. 180cm	5153
NW63-180	approx. 270mm	NW63 (2½")	\varnothing 120mm	approx. 180cm	6390
NW75-180	approx. 340mm	NW75 (3")	\varnothing 120mm	approx. 180cm	6711
NW38-straight	all insulation thicknesses	NW38 (1½")	\varnothing >38mm	up to 600cm*	6028
NW50-straight		NW50 (2")	\varnothing >50mm	Standard length: 5730	5730
NW63-straight		NW63 (2½")	\varnothing >63mm	300cm	5839
NW75-straight		NW75 (3")	\varnothing >75mm		5840

* Specify desired length when ordering.

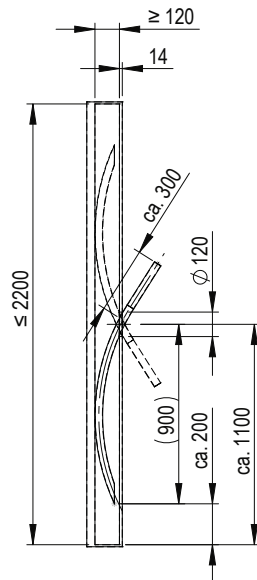


Comparison of injection needles

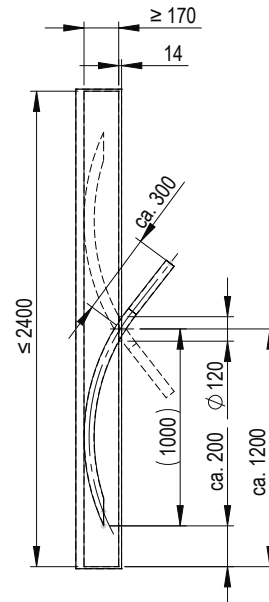
► Injection needle NW50-100
Art.no. 6180



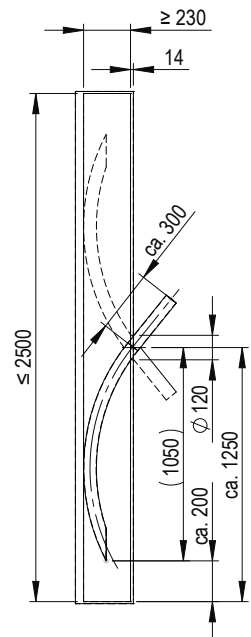
► Injection needle NW38-130
Art.no. 5340



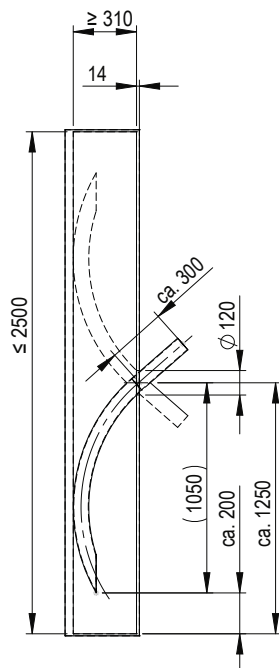
► Injection needle NW50-140
Art.no. 5303



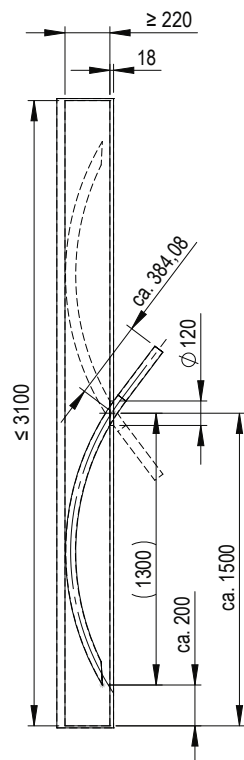
► Injection needle NW63-140
Art.no. 5836



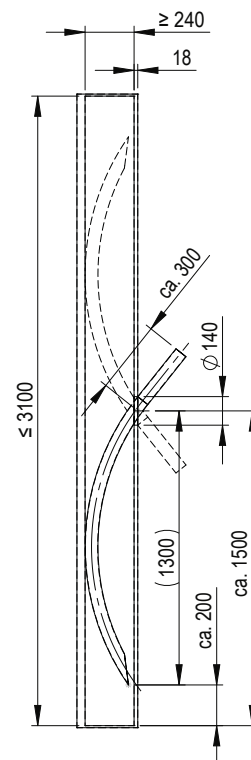
► Injection needle NW75-140
Art.no. 6710



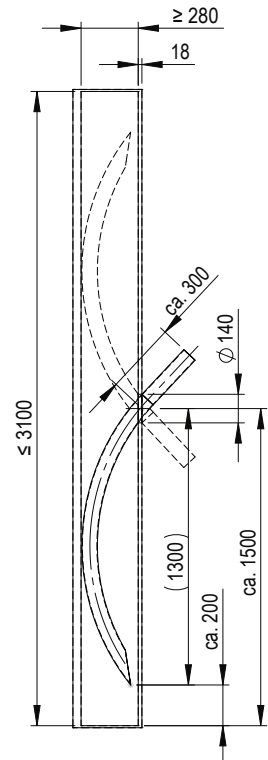
► Injection needle NW50-180
Art.no. 5153



► Injection needle NW63-180
Art.no. 6390



► Injection needle NW75-180
Art.no. 6711



The specifications correspond to the minimum insulation strengths for fixed planking with 120 mm drill holes. With foils or long holes (e.g. two overlapping holes 106,5 mm = approx. 170 mm long hole), the needles can already be used with lower insulation thicknesses.

For optimal handling of the blow-in needles, we recommend the matching connection sets and hose swivel connectors as a supplement.

X-Floc Injection needles

Connection sets and accessories

The matching connection set is the optimal addition for easy handling of the injection needle. Each set contains a 4m long flexible conveying hose, a reducer tube connector, two hose clamps and a sealing sponge.

Also rotatable hose connectors (SDVxx) are available as an option, allowing easy handling of the injection and delivery hoses without creating loops. These connectors are compatible with our entire range of hoses and can be perfectly combined with the injection needle and connection set.



Rotary hose connectors (SDV) facilitate working with the injection needle

suitable for injection needle	Art.no.	6180	5304	5303	5836	6710	5153	6390	6711	6028	5730	5839	5840
Connection set NW75>50	6103	●	○	●	○	○	●	○	○	○	●	○	●
Connection set NW63>50	6206	●	○	●	○	○	●	○	○	○	●	○	○
Rotary hose connector SDV50	6522	●	○	●	○	○	●	○	○	○	○	○	○
Connection set NW63>38	6104	○	●	○	○	○	○	○	○	●	○	○	○
Connection set NW75>63	6124	○	○	○	●	○	○	●	○	○	○	●	●
Rotary hose connector SDV63	6896	○	○	○	●	○	○	●	○	○	○	○	○
Connection set NW90>75	10141	○	○	○	○	●	○	○	●	○	○	○	○
Rotary hose onnector SDV75	4451	○	○	○	○	●	○	○	●	○	○	○	○

● suitable/yes ○ unsuitable/no

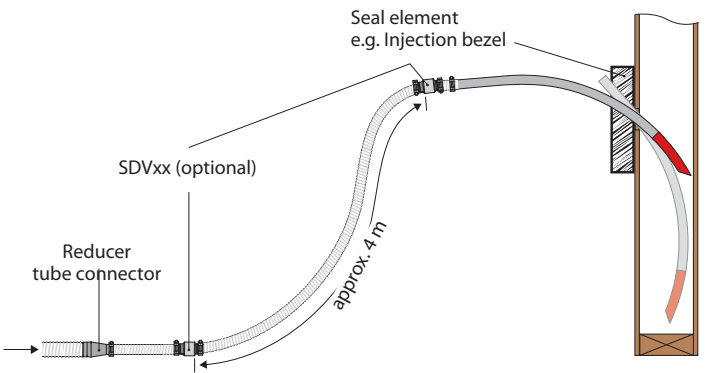


Injection needles are also ideally suited for filling hard-boarded compartments

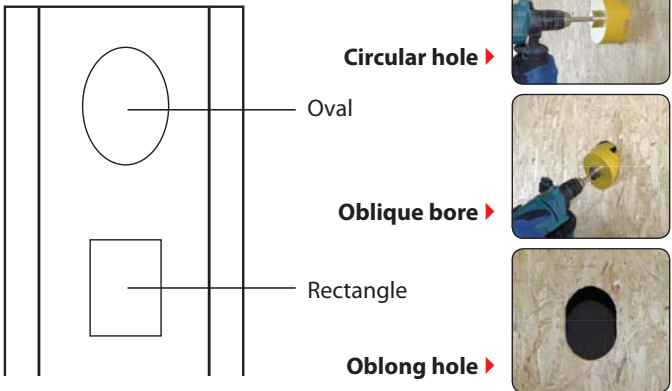
Connection recommendation and preparation

We recommend hose swivel connectors, as these allow easy and make it easier to work with the injection needle. They are available as an option.

- ▶ Good manoeuvrability due to long upstream working hose
- ▶ Avoidance of hose blockages
- ▶ Highest possible throughput/performance



Recommended injection openings



X-Floc Injection needles

Connection sets

The connection set is an obligatory accessory and indispensable for effective work with the injection needle. For suitable needle set combinations, please refer to the table on the previous page. Each connection set includes the following accessories as standard:

1x Transport hose

Transparent spiral hose made of PU/PVC compound for the material transport of non-abrasive insulation materials.

1x Reducer tube connector

Transition piece made of high-strength aluminium for connecting injection and transport hoses with different diameters. Maximum sealing effect, material clogging practically excluded..









2x Hose clamps

Screw clamps for securing hose connections.

The wide steel band protects the hose and provides a firm hold.

1x Sealing sponge

Foam sponge made of special air-permeable material for sealing injection openings during injection.




Conveying hose		Art.no.
	NW38 (1½")	414
	NW50 (2")	329
	NW63 (2½")	573
	NW75 (3")	284
Reducer tube connector		Art.no.
	NW75>50 (3">2")	1262
	NW63>50 (2½">2")	1264
	NW63>38 (2½">1½")	1970
	NW75>63 (3">2½")	1261
	NW90>75 (3½">3")	1971
Hose clamps		Art.no.
	NW38 (1½")	518
	NW50 (2")	175
	NW63 (2½")	176
	NW75 (3")	177
Sealing sponge		Art.no.
	NW38/NW50	7101
	NW50/NW63	7100
	NW63/NW75	7099

Of course, the accessories are also available individually and the sets can be adapted to special customer requirements.

Hose connector rotatable

For easy turning and for easy handling of the hoses without looping, we recommend the use of rotatable hose connectors. The thin-walled, smooth aluminium connectors are smooth-running. The grooves on both sides ensure a firm hold of the hoses and a rubber seal provides an optimal seal.

The connectors can be completely dismantled for cleaning.

Rotary hose connector	for injection needle	Art.no.
	SDV50	Art.no. 6180, 5303, 5153
	SDV63	Art.no. 5836, 6390
	SDV75	Art.no. 6710, 6711

Further accessories

Accessories	Description	Art.no.
Injection bezel universal	ø 30...60mm	8787
	ø 45...70mm	8906
	ø 65...100mm	8907
Hole saw	ø 106,5mm ø 120mm	4966 5282
Hole saw professional	ø 106,5mm	1733
Hole saw HF	ø 106,5mm	9145
Sealing corks	ø 106mm ø 120mm	1948 4671
Sealing plugs	ø 109mm ø 120mm	8950 8951

Further accessory details can be found under the heading „Blowing accessories“.



Injection needle with specially shaped, colour-marked tube tip as a piercing aid

X-Floc Injection lances

Vented injection lances

The injection lance is used to fill horizontal or only slightly inclined wall, roof and ceiling elements. The double pipe construction ensures good drainage of the excess air. The loose insulation material is blown into the cavity through the pointed sawn-off inner pipe, the conveying air is discharged from the cavity via the annular gap between the inner and outer pipe. This can be done via the venting cage and the dust bag supplied (passive venting) or via a suction station with suction drum (active venting).

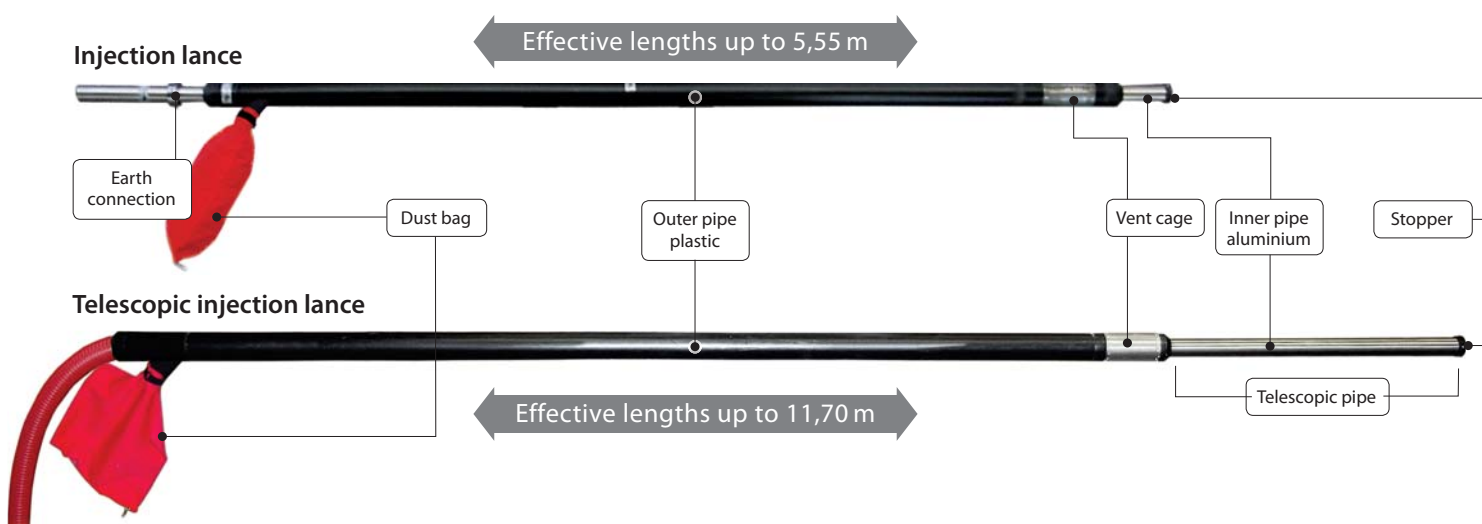
The material-carrying inner pipe allows a high insulation throughput and can be earthed if required. The electrostatic charge that can arise from the transport of insulation material is thus effectively dissipated.

Advantages at a glance

- ▶ The lightweight design ensures ease of operation and therefore also saves time during the injection process
- ▶ Rigid design enables controlled blowing-in process as well as uniform distribution and compaction
- ▶ Low stress on the cladding materials due to ventilation
- ▶ Hardly any insulation material adheres thanks to the smooth outer wall
- ▶ Small outer diameter, so that e.g. the sill is not unnecessarily weakened
- ▶ Material outlet steerable thanks to pointed sawn-off inner pipe



Industrial-grade element filling with the aid of vented injection lances



Freely selectable lance length

During the filling process, the lance is inserted through an injection opening in the frame of the element along its entire length.

The rigid injection lance can be used up to a maximum effective length of 5,55m. For element lengths from 4,00m up to 11,70m the use of a telescopic injection lance is recommended.

For good handling, the rear space must be sufficiently dimensioned or larger than the total length of the injection lance.



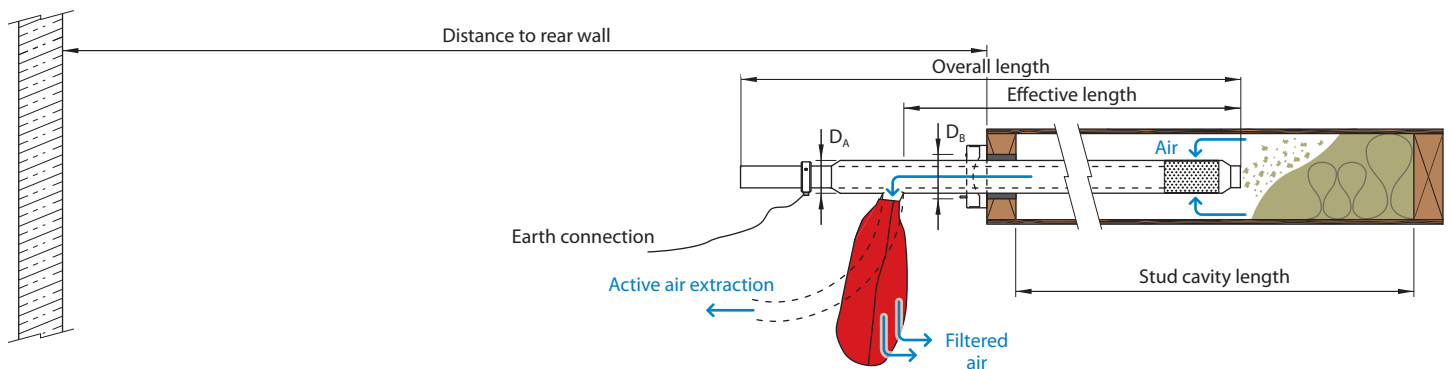
Injection lance nozzle with dust bag



Pointed sawn-off inner pipe

X-Floc Injection lances

Rigid injection lance

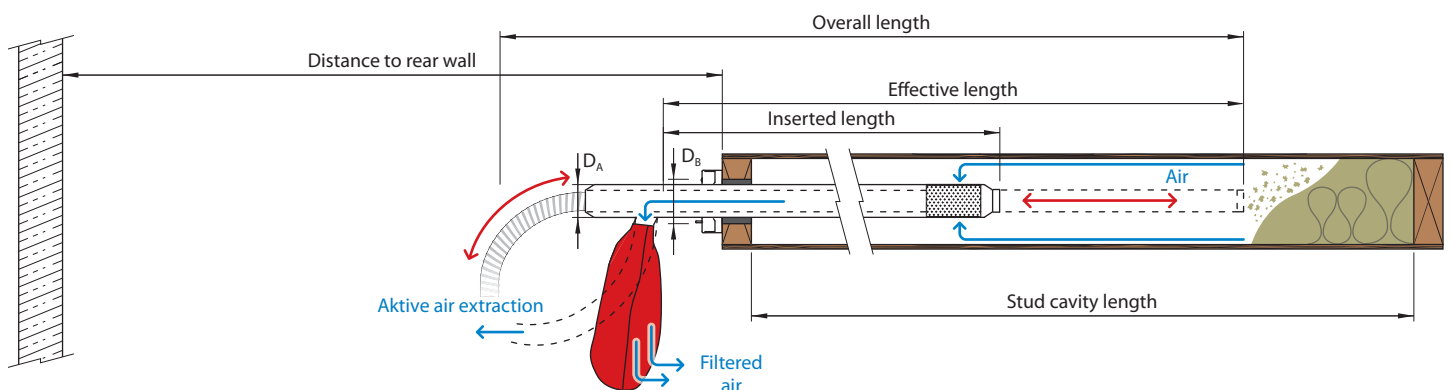


Determination of the lance length:

Effective length = stud cavity length + frame thickness + thickness of the injection sleeve (optional)

Overall length = effective length + 450 mm

Telescopic injection lance



Determination of the lance length:

Effective length = stud cavity length + frame thickness + thickness of the injection sleeve (optional)

Overall length (lifted) = effective length + 450 mm

Overall length (inserted) = $\frac{\text{effective length}}{2} + 750 \text{ mm}$

Accessories (optional)

Injection lance	NW75/50	NW90/63	Teleskop NW 75/50	Teleskop NW90/63
Art.no.	2675	3740	4626	10254
Effective length* (m)	1,50 - 5,55	1,50 - 5,55	2,00 - 11,70	2,00 - 11,70
Ventilation	●	●	●	●
Hose connection	NW50 (2")	NW63 (2½")	NW50 (2")	NW63 (2½")
ø Inner pipe (mm)	50 x 1,5mm	63 x 1,5mm	50 x 1,5mm	63 x 1,5mm
ø Outer pipe D _A (mm)	75 (3")	90 (3½")	75 (3")	90 (3½")
Req. drill hole D _B (mm)	≥85	≥100	≥85	≥100
Material	outer pipe PE / inner pipe aluminium (stainless steel on request)			
Weight	approx. 2kg/m	approx. 2kg/m	approx. 2kg/m	approx. 2kg/m

* freely selectable ● yes passive/active

Accessories	Description	Art.no.
VS28 Complete set	115l 250l	2886 5017
VS33 Complete set	115l 250l	5939 5940
Hole saw	ø 85,5mm ø 102mm	4977 7537
Reducing connector	NW 75>50 NW 90>75	1262 1971

Further accessories, see category „Blowing accessories“.

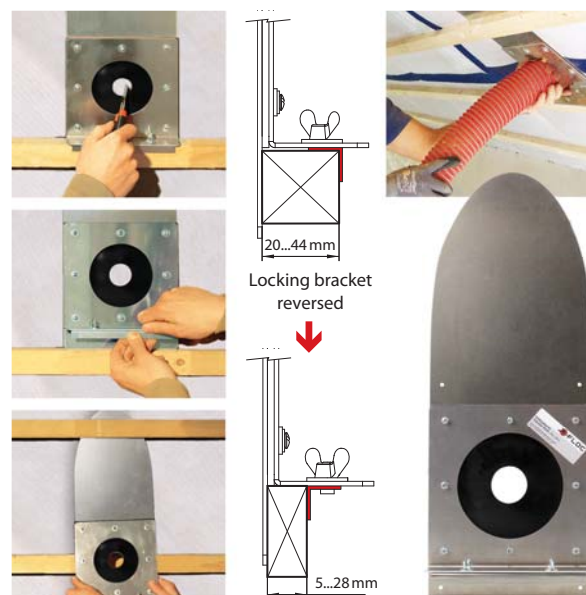
Injection bezel

The injection bezel **art.no. 2911** facilitates the blowing injection of loose insulation materials in wall and ceiling structures. Also form-works with supporting battens with vapour barriers and air tightness membranes can be injected more secure.

Application: Insert the injection bezel behind the battens. Make a cross cut in the middle of the injection bezel with a (cutter) knife. The flexible, tear-resistant membrane \varnothing 30mm / 45mm (standard) / 68mm encloses blow-in hoses NW50-NW90 almost dust-tight. For seamless work, the use of two or more injection bezels is recommended.

The advantages/features at a glance

- ▶ Dimensions approx. 540x200x50mm (LxWxH), weight approx. 0,8kg
- ▶ Application allows quick change of blowing position
- ▶ Adjustable locking bracket for lath thicknesses of 20-44mm (when the stop rail is reversed, the result is 5-28mm) prevents the geomembranes from being pressed in and damaged



Detachable tubing port

The handy tubing port **art.no. 6737** (planking thicknesses 10-35mm) and **art.no. 7006** (planking thicknesses 30-80mm) is fastening in the drill hole by means of clamping mechanism.

The dimensions are 250x250mm (LxW). Thanks to the flexible seal and the multi-layer rubber rosette at the hose entry, it is self-sealing with respect to the compartment.

The advantages/features at a glance

- ▶ Can be used up to a planking thickness of max. 80mm
- ▶ Required drill hole \varnothing = 106,5 to 120mm
- ▶ Can be used for hose sizes NW50 (2"), NW63 (2½"), NW75 (3") and NW90 (3½")
- ▶ 3-layer rubber rosette for sealing the hose grommet
- ▶ Flexible sealing to prevent dust from escaping from the injection opening
- ▶ Ergonomic locking latch for easy opening and locking as well as for one-hand operation



Injection bezel universal

The injection bezel **art.no. 9209** or **Art.-Nr. 9209** is suitable for almost all injection tools, e.g. injection/conveying hoses, injection needles, injection lances, injection and rotary nozzles.

It is fixed in the drill hole or long hole with the help of the clamping mechanism (clamping bracket with spring) and is self-sealing. This leaves the professional's hands free to guide the injection tool and operate the machine control.

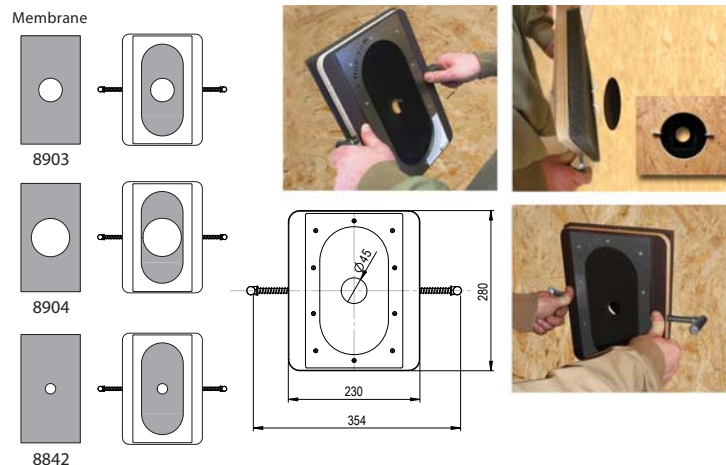
An extremely tear-resistant rubber membrane reliably seals against both smooth surfaces (e.g. injection needles) and hoses (e.g. injection or conveying hose). Excess air that enters the compartment during injection can escape easily thanks to the air-permeable sealing sponge. The sponge also compensates for different planking thicknesses.



X-Floc Insertion, sealing and venting accessories

The advantages/features at a glance

- ▶ **Art.no. 9209** for planking thicknesses 12...25mm
- ▶ **Art.-Nr. 9657** for planking thicknesses 30...80mm
incl. 2x sealing sponge art.no. 9077 (15mm)
and 2x sealing sponge art.no. 9661 (25mm)
- ▶ Required drill hole or long hole \varnothing 95 bis 120mm
- ▶ Rubber membrane for sealing the injection bezel
Art.no. 8903 Seal \varnothing = 45mm (standard)
Art.no. 8904 Seal \varnothing = 68mm (optional)
Art.no. 8842 Seal \varnothing = 30mm (optional)
Please specify optional design when ordering.
- ▶ Dimensions of injection bezel:
230 x 280mm or incl. bracket handles 354 x 280mm



Clamping socket

The clamping socket **art.no. 2462** is used for dust-tight fastening of a NW75 (3") injection hose in all materials with a wall thickness of at least 10mm and a drill hole diameter between 106.5 and 108mm. The clamping socket is pressed into the injection opening, whereby the rubber seal provides additional hold and the prevention of dust emissions



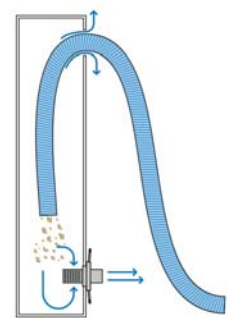
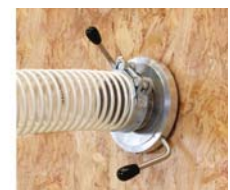
Venting clamp connection

The ventilation clamping connector **art.no. 8422** with perforated vent cage is used for passive or active ventilation of components as well as for air guidance in the compartment. It is mainly used for airtight pressure-sensitive cladding.

The advantages/features at a glance

- ▶ Vent cage \varnothing approx. 75mm
- ▶ Total length approx. 85mm (or approx. 184,5mm)
- ▶ Clamping socket suitable for drill hole 106,5-108mm
- ▶ Hose connection / venting spigot NW75 (3")

Further application (drawing on the right): Drill a second hole at the lower end of the field, place the venting clamp socket **art.no. 5169** and now blow in as usual. The conveying air is discharged from the field, thus directing the material flow and minimising the pressure increase.



Sealing sponges

Sealing sponges are mainly used to seal injection openings during hose blowing.

Injection hose	Size (LxWxH)	Drill hole	Art.no.
NW38/50 (1½"/2")	250x250x40mm	35mm	7101
NW50/63 (2"/2½")	250x250x40mm	50mm	7100
NW63/75 (2½"/3")	250x250x40mm	70mm	7099
NW38/50 (1½"/2")	400x300x40mm	35mm	6336
NW50/63 (2"/2½")	400x300x40mm	50mm	3947
NW63/75 (2½"/3")	400x300x40mm	70mm	0292



Hole saw HF with ejection

The hole saw HF was specially developed for drilling soft wood fibre boards (insulation boards, plaster base boards). Due to the special cutting geometry and the extremely thin cutting edge without a centring hole, very short drilling times as well as a distinctly clean drilling result can be achieved.

All HF hole saws have an ejector mechanism that makes it easy to remove the drill core. The dimensionally accurate drill core can be reused with glue to seal the hole.

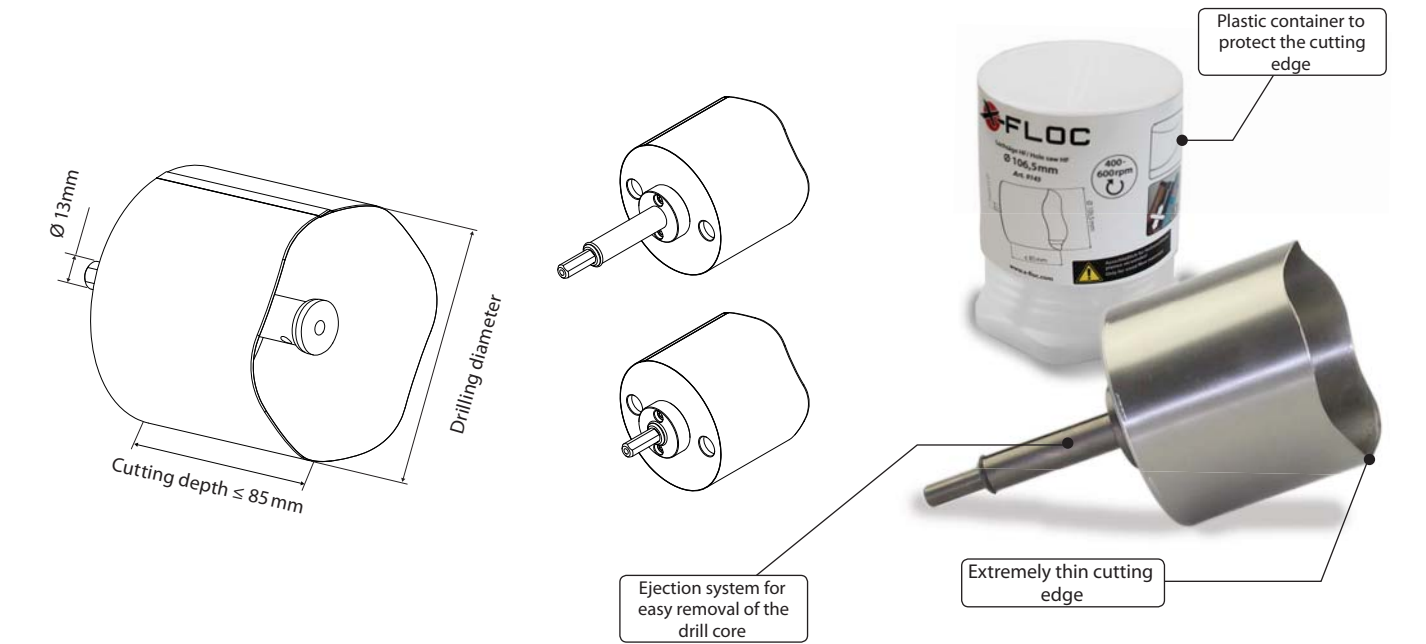
In addition to the hole saw, the scope of delivery includes a plastic threaded box to protect the cutting edge as well as a sharpening stone, which is used for easy resharpening of the hole saw according to the enclosed operating instructions.



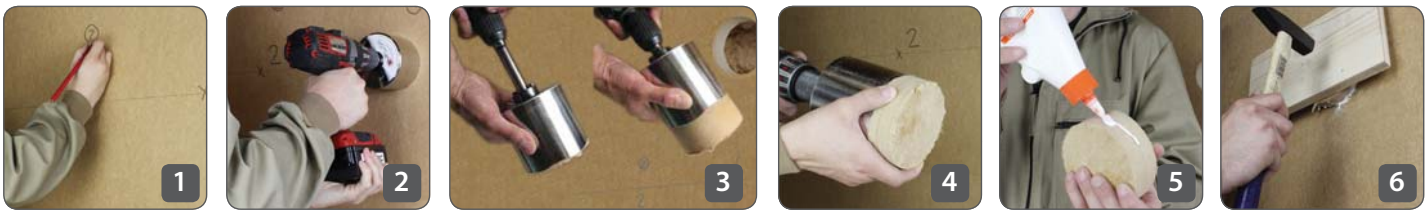
Hole saw HF for exact blow-in openings in softwood fibreboards

Art.no.	9145	9334	9335
ø Drill hole	106,5mm	120mm	85mm
Cutting depth	approx. 85mm	approx. 85mm	approx. 85mm
Weight	approx. 0,6kg	approx. 0,6kg	approx. 0,6kg

Recommended speed for all hole saws HF approx. 400-600 U/min.



Application principle



Mark the drill hole (1) Position the hole saw on the marking, switch on the machine and drill with moderate pressure (2) Pull the hole saw with drill core out of the planking and push out the drill core using the ejection system (3) Remove the drill core (4) Apply wood glue to the drill core (5) Insert the drill core flat according to the markings and fix it with a wooden board and hammer (6)

Hole saw with ejection

This powerful hole saw is ideally suited for professional production of injection openings in a wide range of materials, such as wood, softwood fibreboard, chipboard, coated wood board, hardboard, PVC, glass fibre material, plasterboard, aerated concrete, clay bricks, Yton bricks and many more.

The carbide-tipped cylinder saw is characterised by short drilling times. Its excellent tooth geometry enables high cutting speeds as well as optimum chip removal even at maximum depth and prevents clogging or burning of the carbide teeth.

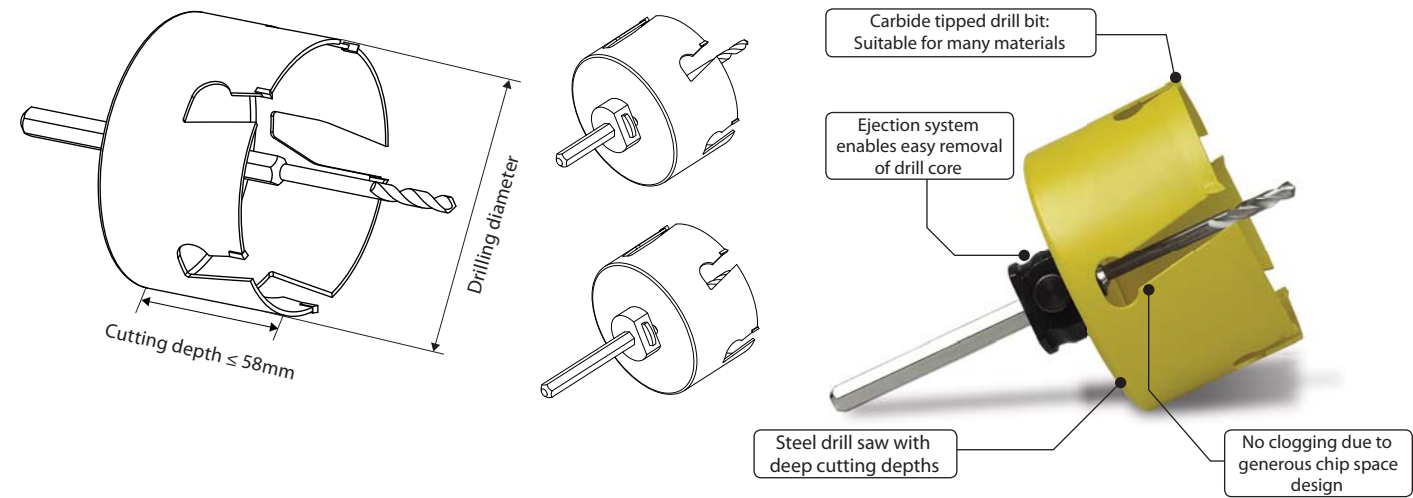
With the help of the easy-to-use ejection mechanism, the drill core can be removed in seconds and without the use of additional tools.

The HSS drill bits (art.no. 5032) in all sizes as well as SDS adapters (art. no. 6492) for the hole saw with ejection system are also available as optional accessories or spare parts.

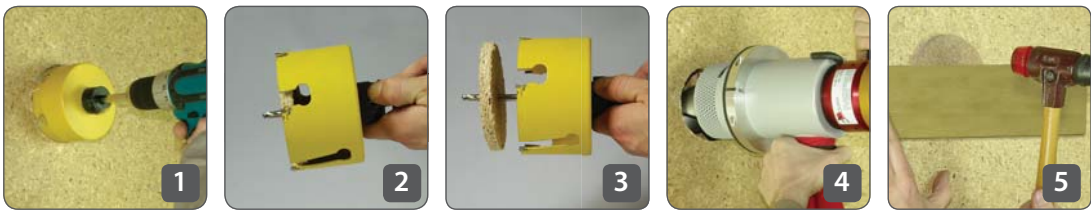


Hole saw with ejection system for injection openings in a variety of materials

Art.no.	10025	4966	5149	5282	4977	5038	8836
ø Drill hole	105mm	106,5mm	108mm	120mm	85,5mm	65mm	52mm
Cutting depth	approx. 58mm	approx. 58mm	approx. 58mm	approx. 58mm	approx. 58mm	approx. 58mm	approx. 58mm
Weight	approx. 0,7kg	approx. 0,7kg	approx. ??? kg	approx. 0,8kg	approx. 0,7kg	approx. 0,5kg	approx. 0,6kg



Application principle



Position the hole saw on the marking, switch on the machine and drill with moderate pressure (1) Pull the hole saw with drill core out of the planking (2) Remove the drill core (3) Blow in (4) Close the drill hole (5)

With the sealing corks and plugs (see next page) from our range, the injection openings can be perfectly closed.

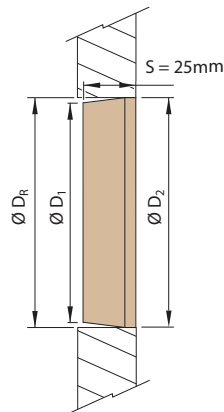
In addition to the ones listed here, the X-Floc range also includes other hole saws. Please contact us for more information.

Sealing corks for injection openings

With the help of conical corks, drill holes can be sealed effortlessly and time-savingly in just a few steps. The cork is simply applied and pressed in until the injection opening is sealed flush. Thanks to the conical inlet, no gluing is necessary and the closure can be plastered over directly.

The corks are best used with hard planking materials such as OSB, hardboard or plasterboard. In combination with suitable materials and the appropriate drill hole, the injection opening can be sealed airtight and splash-proof.

Also ideal for permanently visible wood-based panels, such as cladding for buffer storage tanks, which have been blown in.

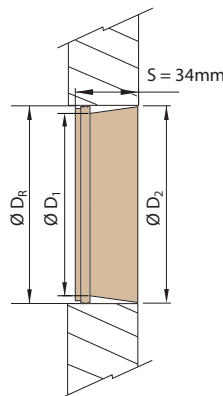


Art.no.	3626	3838	8837	2018	5818	2208	1948	4671
Ø Drill hole D_R	26 - 32mm	35 - 39mm	52 - 54mm	64 - 67mm	78 - 83mm	84 - 87mm	105 - 108mm	120 - 122,5mm
Ø D_1	26mm	35mm	51mm	64mm	78mm	84mm	105mm	120mm
Ø D_2	33mm	40mm	55mm	68mm	84mm	88mm	109mm	123,5mm

Sealing plug made of wood fibre

These plugs are used when drill holes in soft wood fibre boards are to be sealed. The conical tooth profile facilitates their insertion and ensures a permanently secure hold. Small drilling tolerances are compensated for by the conical shape.

The plug is made of homogeneous, continuously hydrophobised wood fibre and ensures immediate weather protection. It also ensures a clean appearance and facilitates further processing, as it can be plastered over directly.



Art.no.	8950	8951
Ø Drill hole D_R	104 - 108mm	120 - 122mm
Ø D_1	102mm	112mm
Ø D_2	109mm	120mm

X-Floc Dämmtechnik-Maschinen GmbH

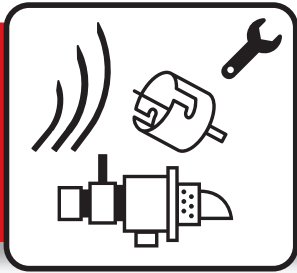
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Your X-Floc Representative



Hoses and connectors

For trouble-free insulation transport and optimum support



Hoses and connectors

- ▶ Conveyor and injection hoses
- ▶ Hose reels and sets
- ▶ Connecting elements
- ▶ Fibre switches and cascades



X-Floc Conveyor and injection hoses

Injection hoses

Hoses and connections are essential components of blow-in equipment. When blowing in loose insulation materials, a distinction is made between injection and conveying hoses.

Injection hoses are made of low-wear and durable polyethylene (PE). They are used for injection and extraction and are available in two different stiffness classes:

Red injection hoses are slightly stiffer than blue injection hoses (see table). Both variants are equally suitable for insertion into compartments. Due to their bending properties, they allow good guidance in the compartment and can be moved over obstacles. The static charge, caused by the friction of the insulation material in the hose, is also low with both variants. Thanks to the corrugated design of the hose, the insulation material is loosened up on the inside wall, thus increasing its yield.

The application areas of the blue and red injection hoses are the same, but the hoses differ in the degree of hardness. The blue hose is softer, which makes it easier to install at shallow cavity depths, and the blue hose is also easier to handle at low temperatures on the construction site.



Ordering information

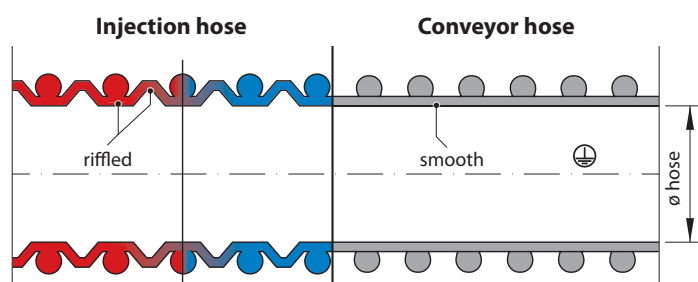
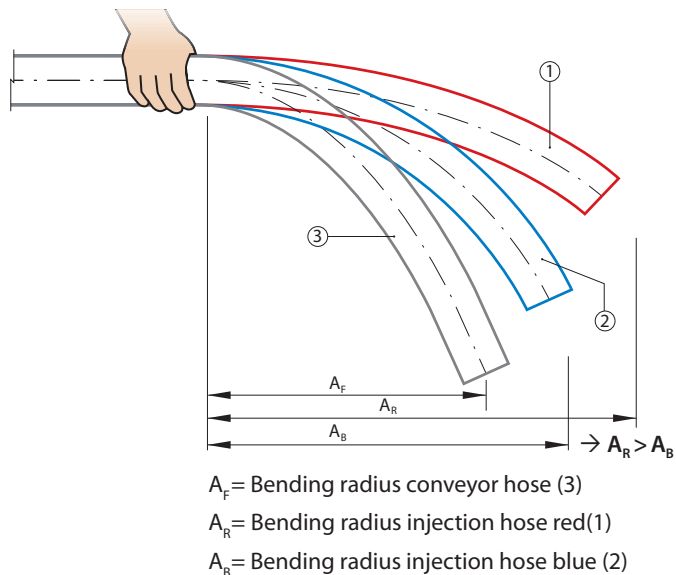
Injection hose red (standard)

Nominal width	ø Hose	ø Drill hole	Bending radius	Length	Art.no.
NW38 (1½")	38mm	≥50mm	38mm	15m	777
NW50(2")	50mm	≥65mm	50mm	15m	167
NW63 (2½")	63mm	≥85mm	63mm	15m	166
NW63 (2½")	63mm	≥85mm	63mm	20m	5238
NW75 (3")	75mm	≥106,5mm	75mm	15m	074
NW75 (3")	75mm	≥106,5mm	75mm	20m	4777
NW90 (3½")	90mm	≥108mm	90mm	15m	1169

Injection hose blue (soft)

Nominal width	ø Hose	ø Drill hole	Bending radius	Length	Art.no.
NW63 (2½")	63mm	≥85mm	100mm	15m	4779
NW63(2½")	63mm	≥85mm	100mm	20m	4774
NW75 (3")	75mm	≥106,5mm	120mm	15m	5239
NW75 (3")	75mm	≥106,5mm	1220mm	20m	5237

Comparison of injection and conveyor hoses



Conveyor hoses

In contrast to injection hoses, conveyor hoses are used almost exclusively for transporting insulation material. In general, they are used to bridge the distance between the insulation blow-in machine and the processing site. In individual cases, however, they can also be used in the cavity.

Conveying hoses are comparatively soft and have a smooth inner wall, which guarantees low friction losses during insulation conveying. Because they are made of (PUR) and due to the PVC spiral coil, these hoses are very durable and equally flexible.

Optionally, the conveyor hose can be supplied with copper strands and can then be earthed against electrostatic charging.

Conveyor hoses are also optionally available in an extra strong version. These hoses are equipped with a thick wall and have a steel spiral. They are mainly used in the processing of abrasive insulation materials because they wear out much more slowly than the conventional injection and conveyor hoses.



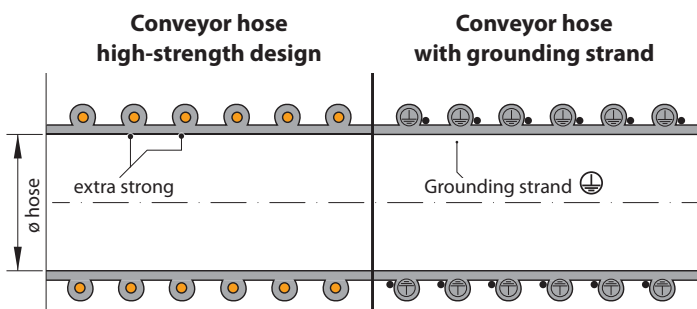
Ordering information

Conveyor hose					
Nominal width	ø Hose	ø Drill hole	Bending radius	Length	Art.no.
NW25 (1")	25mm	≥30mm	25mm	20m	704
NW38 (1½")	38mm	≥50mm	38mm	20m	414
NW50 (2")	50mm	≥65mm	50mm	20m	329
NW63 (2½")	63mm	≥85mm	63mm	20m	573
NW75 (3")	75mm	≥106,5mm	75mm	20m	284
NW90 (3½")	90mm	≥108mm	90mm	20m	422
NW102 (4")	90mm	≥120mm	102mm	20m	8878

Conveyor hose (extra strong version)					
Nominal width	ø Hose	ø Drill hole	Bending radius	Length	Art.no.
NW38 (1½")	38mm	≥50mm	38mm	20m	3822
NW50 (2")	50mm	≥65mm	50mm	20m	1061
NW63 (2½")	63mm	≥85mm	63mm	20m	1001
NW75 (3")	75mm	≥106,5mm	75mm	20m	1722

Conveyor hose (with copper stranded wire for grounding)					
Nominal width	ø Hose	ø Drill hole	Bending radius	Length	Art.no.
NW38 (1½")	38mm	≥50mm	38mm	20m	3818
NW50 (2")	50mm	≥65mm	50mm	20m	3817
NW63 (2½")	63mm	≥85mm	63mm	20m	3816
NW75 (3")	75mm	≥106,5mm	75mm	20m	3815

Tensioning straps with clamp lock and additional carrying loop (Art.no. 1954) are included in the scope of delivery for all injection and conveyor hoses.



X-Floc hose reels and sets

Hose reel D1000 plus

The D1000 plus hose reel is used for neat and space-saving storage of conveyor and injection hoses. The hoses can be effortlessly and cleanly rolled onto the reel and unrolled again just as easily. A lockable twist lock (locking pin) prevents the hose from unrolling uncontrollably.

The capacity of the reel depends on the type of hose used:

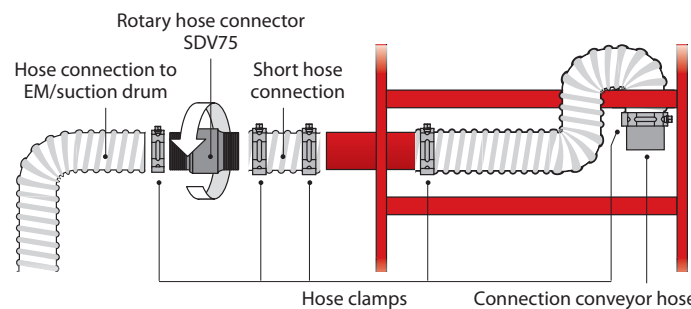
Type of hose	Diameter	Length	Reel length*
Injection hose	NW50 (2")	15m	approx. 110m
Conveyor hose	NW50 (2")	20m	approx. 130m
Injection hose	NW63 (2½")	15m/20m	approx. 70m
Conveyor hose	NW63 (2½")	20m	approx. 90m
Injection hose	NW75 (3")	15m/20m	approx. 45m
Conveyor hose	NW75 (3")	20m	approx. 60m

* Reel length = total length of hoses incl. connectors

The D1000 plus hose reel is versatile. For example, it can be mounted on a construction site vehicle, a trailer or placed in the production hall. The reel is part of the standard equipment of the X-Floc blow-in mobile.

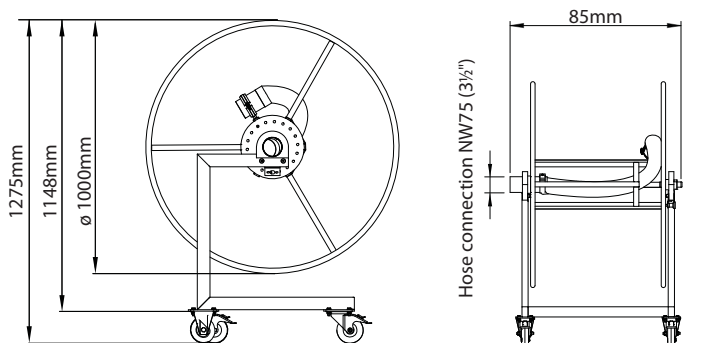
With the drum, the hoses are always neatly stowed away and always ready for use: simply unroll them and start the injection process. The hose reel can be mounted mirror-inverted. This means it can be flexibly adapted to the application situation and so continuously ensures a considerable reduction in set-up times.

The hose reel is made of high-quality steel, powder-coated and equipped with plain bearings. The frame is light and can be fixed to the wall and floor or optionally supplemented with swivel or fixed castors. The castors increase the mobility of the reel.



Hose and connection sets

Regarding hose assemblies, each blow-in method has its own requirements. Insulation blow-in machines have different outlet sizes and when using an amplifier/extraction station, short hose sections as well as a Y-connector and a control line may be required. Needs-based complete hose sets for the respective machine types and blow-in methods are available.



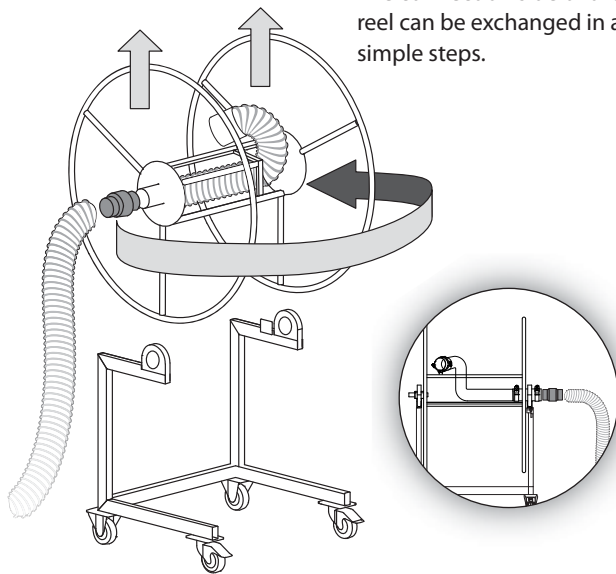
Open/Attic blowing



Cavity wall insulation with blow-in nozzle



Mirror-inverted assembly:
The connection side of the hose reel can be exchanged in a few simple steps.



Ordering information

Designation		Art.no.
Hose reel D1000 plus	NW75*	6464
Sviwel castor of sheet steel in reinforced version		4766
Fixed castor of sheet steel in reinforced version		4767
Rotary hose connector SDV75 (3½")		4451

*Standard connection set NW75, on request also as NW63(NW75) or NW50(NW75) available. Specify when ordering.

Connection set for		Art.no.
Hose reel D1000 plus (Art.no. 6464) for connection to a blow-in machine Outlet	NW75	5845
	NW63	11771
	NW50	11772
Amplifier/vacuum station suitable for combination with a insulation blow-in machine	NW63/63>63	4935
	NW63/75>75	4934
	NW63/90>90	7870
Injection needle consisting of conveyor hose, reducing connector, hose clamps and sealing sponge	NW63>38	6104
	NW63>50	6206
	NW75>50	6103
	NW75>63	6124

Hose set for		Art.no.
Open/Attic blowing	NW63, L=60m	5875
	NW75, L=60m	5871
Cavity wall insulation with nozzle non-abrasive/abrasive materials	NW50, L=40m	5873
	NW50, L=40m	6015
Open/Attic blowing and timber frame constructions	NW63/50, L=95m	5876
	NW75/63/50, L=95m	5872
Loose insulation materials (non-abrasive)	NW63	5711
	NW63/50	5712
	NW75/63	5246
	NW75>63/50	5737
	NW90/75/63	6765
	NW90/75/63	6765
Damp spraying	NW63, L=40m	5874



Timber frame constructions



For loose insulation materials (non-abrasive)



Connection amplifier/vacuum station



Connection injection needle

X-Floc connectors

Hose connectors

A hose connector is a short piece of stainless steel tubing used to connect injection and conveyor hoses. As a rule, the connector is inserted into the ends of the hoses and fixed with the help of hose clamps. In this way, for example, hoses can be extended in order to convey the insulation material over long distances to the injection point. Thanks to the use of thin-walled tube material, material blockages are practically excluded.

Ordering information

Type	Hose connection D	Length L	Art.no.
NW38	NW38 (1½")	approx. 60mm	788
NW50	NW50 (2")	approx. 70mm	235
NW63	NW63 (2½")	approx. 90mm	236
NW75	NW75 (3")	approx. 90mm	033
NW90	NW90 (3½")	approx. 90mm	1452



Rotary hose connectors

Injection and conveyor hoses have to meet various requirements. Regardless of the degree of stiffness, all hoses should be flexible so that they can be laid and rolled up flexibly. The accompanying characteristic that they twist, especially when covering large distances, is known to every injection technician.

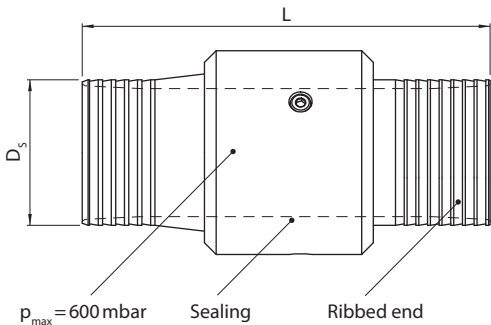
The rotatable hose connector meets exactly this challenge. It enables easy handling of the injection hoses without looping or twisting the conveyor line.

Furthermore, the connector is used with the hose reel and with rigid nozzles as well as with injection needles and lances. Made of high-quality aluminium, it is smooth-running and ensures smooth rotation of the injection tool.

The connector is thin-walled and very smooth, thus offering hardly any resistance and ensuring easily steerable material flows. Its ribbed ends ensure a firm hold of the hoses and a rubber seal guarantees optimal sealing. The rotary hose connector can be completely dismantled for cleaning.

Ordering information

Type	Hose connection D _s	Length L	Art.no.
SDV50	NW50 (2")	140mm	6522
SDV63	NW63 (2½")	140mm	6896
SDV75	NW63 (3")	140mm	4451



Hose clamps and glass fibre rods

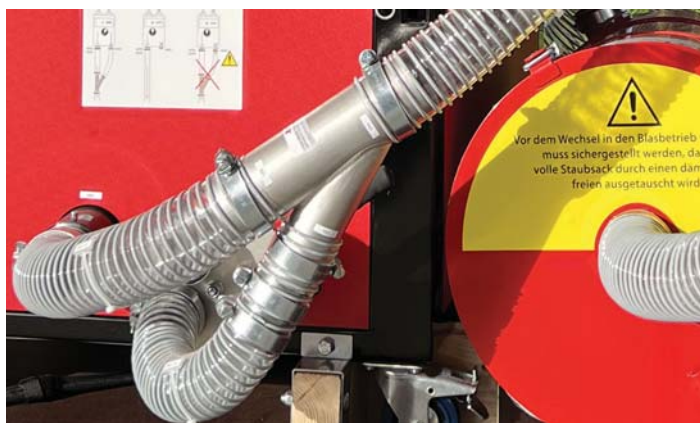
Hose clamps for injection and conveyor hoses secure every hose connection quickly and reliably. The wide steel band protects the hose and ensures a firm hold. The hexagon and slotted screw allow quick clamping with a screwdriver, open-ended spanner or socket spanner.

Glass fibre rods are used to stiffen injection and conveyor hoses. They can be extended by means of a rotary hose connector with steel thread. They are attached to the hose by means of adhesive tape, for example, which is applied at a distance of approx. 1m.



Reducing connectors

Tubes with different diameters are combined with the help of reducing connectors. The connectors are turned from corrosion-resistant, high-strength aluminium. Thanks to the tapered sealing edge or the special shape, both a firm hold of the hoses and an optimum material flow are ensured. A possible static charge (due to material and environmental conditions) can be dissipated at specific points by means of an grounding hose.



Connectors and couplings

Y-pieces are used to distribute air and material flows to pipes and hoses. In insulation technology, for example, they ensure the coupling of the air from the booster/extractor station. Y-pieces are used to interconnect delivery and injection hoses for machine combinations. With quick couplings, safe connections can be made in a few simple steps.

Ordering information

Hose clamp		Art.no.
NW38 (1½")	for injection hose	1199
NW38 (1½")	for conveyor hose	512
NW50 (2")	for injection and conveyor hose	175
NW63 (2½")	for injection and conveyor hose	176
NW75 (3")	for injection and conveyor hose	177
NW75 (3")	Hinge pin clamp for injection and conveyor hose	3759
NW75 (3")	Quick release with hook for injection and conveyor hose	223
NW90 (3½")	for injection and conveyor hose	1923

Glass fibre rod		Art.no.
9mm	Length 1,5m	6544
9mm	Length 2,5m	6543
9mm	Length 4m	6542

Reducing connector		Art.no.
NW50>38 (2">1½")		1263
NW63>38 (2½">1½")		1970
NW63>50 (2½">2")		1264
NW75>50 (3">2")		1262
NW75>63 (3">2½")		1261
NW90>75 (3½">3")		1971
NW102>75 (4">3")		6642

Y-piece	Art.no.
NW63/63>63 (2½"/2½">2½"), Material plastic	1804
NW63/63>63 (2½"/2½">2½")	3955
NW75/63>75 (3"/2½">3")	2221
NW75/75>75 (3"/3">3")	456
NW90/75>90 (3½"/3">3½")	4523

Y-pipe	Art.no.
NW50>50 (2">2")	3429
NW63>63 (2½">2½")	1132

Quick coupling		Art.no.
NW38 (1½") Kn66		667
NW50 (2") Kn66		171
Kn66>Kn52	for reduction to NW50/NW38	668
Kn89>Kn66	for reduction to NW50/NW38	173
NW63 (2½") Kn89		170
NW75 (3") Kn89		168
NW75 (3") R2½	Machine adapter	172

X-Floc Material switches

Material switches

Material switches are used to distribute the insulation material to different conveying and injection lines. They enable the filling of building elements without interrupting the blow-in process. Two or more blow-in openings are prepared (fitted with hoses = pre-hosing) and operated consecutively. Switching is done either manually by handle or by remote control.

Fibre switch compact

The compact fibre switch is made of stainless steel and is used for the alternate operation of two hoses. A hand lever ensures quick and easy switching.

Main application:

- ▶ Uninterrupted filling of roof elements
- ▶ Blowing in wide fields equipped with two hoses

Ordering information

Type	Inlets	Outlets	Art.no.
NW63>NW63	NW63 (2½")	2xNW63 (2½")	2809
NW75>NW63	NW75 (3")	2xNW63 (2½")	2810
NW75>NW75	NW75 (3")	2xNW75 (3")	2794

Fibre switch compact

Example: NW75>NW63



Overview material switches

Fibre switch	compact			pneumatic		Cascade	Revolver	
Art.no.	2809	2810	2794	3846	5179	5063	6058	9414
Type	NW63>63	NW75>63	NW75>75	1-fold NW75	3-fold NW75	4-fold NW75	2>3 NW75	2>3 NW90
Inlets (E)	1xNW63	1xNW75	1xNW75	1xNW75	1xNW75	1xNW75	2xNW75	2xNW90
Outlets (A)	2xNW63	2xNW63	2xNW75	2xNW75	3xNW75	4xNW75	3xNW75	3xNW90
Interruption-free filling of elements	●	●	●	●	●	●	●	●
Switching with 2+ tubes	●	●	●	●	●	●	●	●
Changeover blowing<>sucking	○	○	○	●	●	●	●	●
Switching banks with 4+ outputs (series connection)	○	○	○	●	●	●	○	○
Dimensions (mm)	220	220	220	480x275x130*	480x275x130*	500x480x600*	ø 310	ø 362
Weight (kg)	1,5	1,75	1,8	8,3	8,3	35	4,6	4,6
Switching per	Handle	Handle	Handle	Control	Control	Control	Handle	Handle

All values are approximate *LxWxH ● yes ○ no/no details

Pneumatic fibre switches

Pneumatic fibre switches and cascades enable uninterrupted switching between several hoses when conveying loose insulation materials, free-flowing bulk materials and air flows.

They are also used to supply several filling stations from one insulation blow-in machine and to switch between injection and extraction. With the help of a pneumatic fibre switch, the hose system can also be depressurised in a flash.

Individual solutions are available for controlling the pneumatic switch: In combination with a radio remote control, the fibre switch can be conveniently remote-controlled. It can also be connected directly to the insulation blow-in machine via an auxiliary device box and switched synchronously with it. Furthermore, a combination with a programmable control system (PLC) is possible.

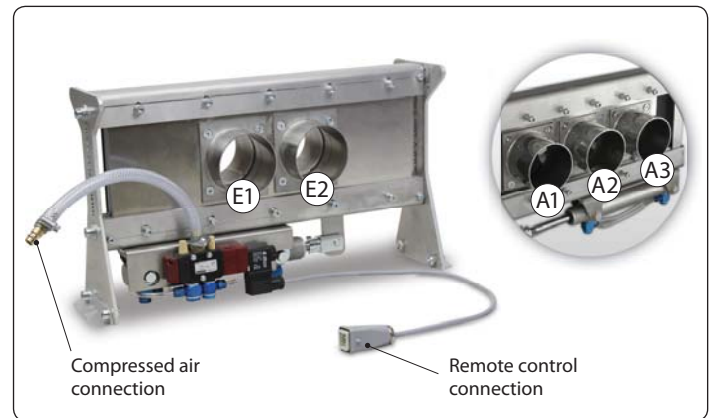
Main application:

- ▶ Uninterrupted filling of wall and roof elements
- ▶ Supply of several filling stations from one blow-in machine
- ▶ Switching between blow-in and suction operation
- ▶ Quickly depressurising the hose system

Ordering information

Type	Inlets	Outlets	Art.no.
1>2 NW75	1xNW75 (3")	2xNW75 (3")	3846
2>3 NW75	2xNW75 (3")	3xNW75 (3")	5179
1>4 NW75	1xNW75 (3")	4xNW75 (3")	5063

Accessories switch control	Art.no.
Radio remote control FFB500	6708
Remote control KFB22	8229
Limit switch for connection to SPS	4022
Master-/slave cable for control via EM	4341



Pneumatic fibre switch cascade with 4 outlets NW75 (3")



Radio remote control FFB500



Remote control KFB22

X-Floc Material switches

Revolver fibre switches

The NW75 (3") or NW90 (3½") revolver fibre switches are equipped with two Inlets and three outlets. With their help, the material flow can be distributed to several hoses without having to switch off the insulation blow-in machine. Large components and wide fields or cavities can thus be filled quickly.

The positions of the Inlets and outlets can be easily adjusted with the help of the handle and a latch. This makes it easy to switch between blowing and suction operation - another area of application for the revolver fibre switch. Even blockages in the conveyor line can be conveniently removed in suction mode.

Main application:

- ▶ Uninterrupted filling of roof elements
- ▶ Switches in wide fields or cavities, which are equipped with two to three hoses
- ▶ Rapid changeover from blow-in and suction operation in conjunction with an amplifier/vacuum station with suction barrel

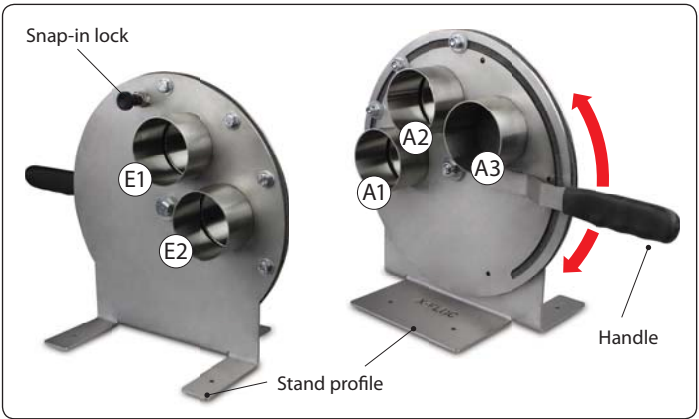
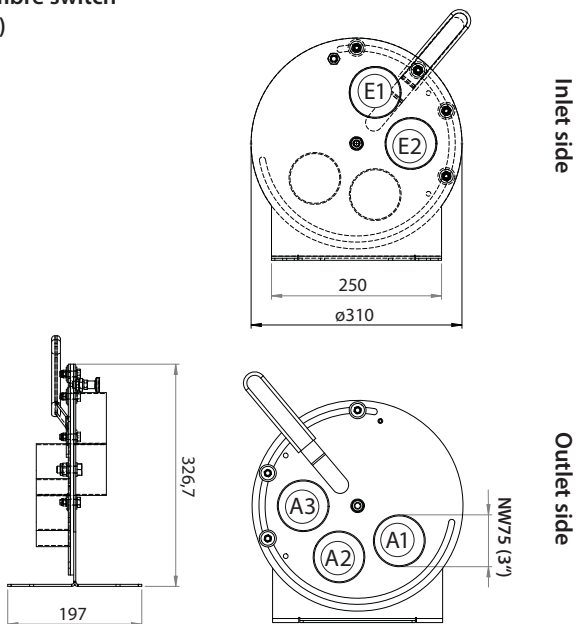
The revolver fibre switch is made of stainless steel. Thanks to its stand profile, it can be used flexibly. In the X-Floc insulation blow-in mobile, it is practically part of the basic equipment - permanently installed.

Ordering information

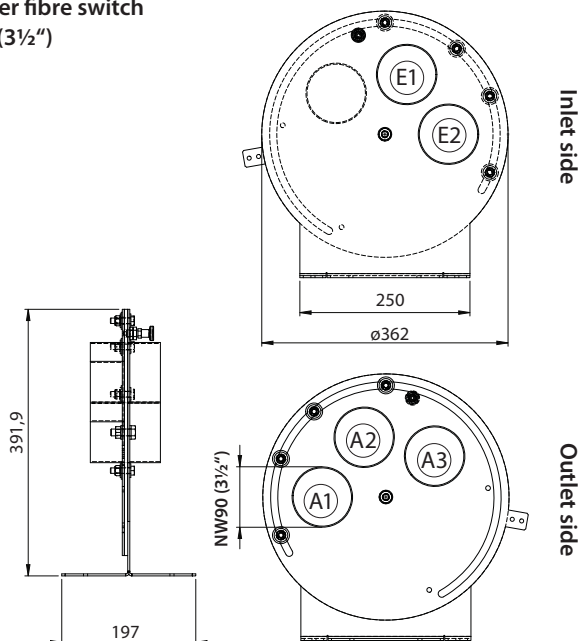
Type	Inlets	Outlets	Art.no.
2>3 NW75	2xNW75 (3")	3xNW75 (3")	6058
2>3 NW90	2xNW90 (3½")	3xNW90 (3½")	9414

Dimensions

Revolver fibre switch
NW75 (3")

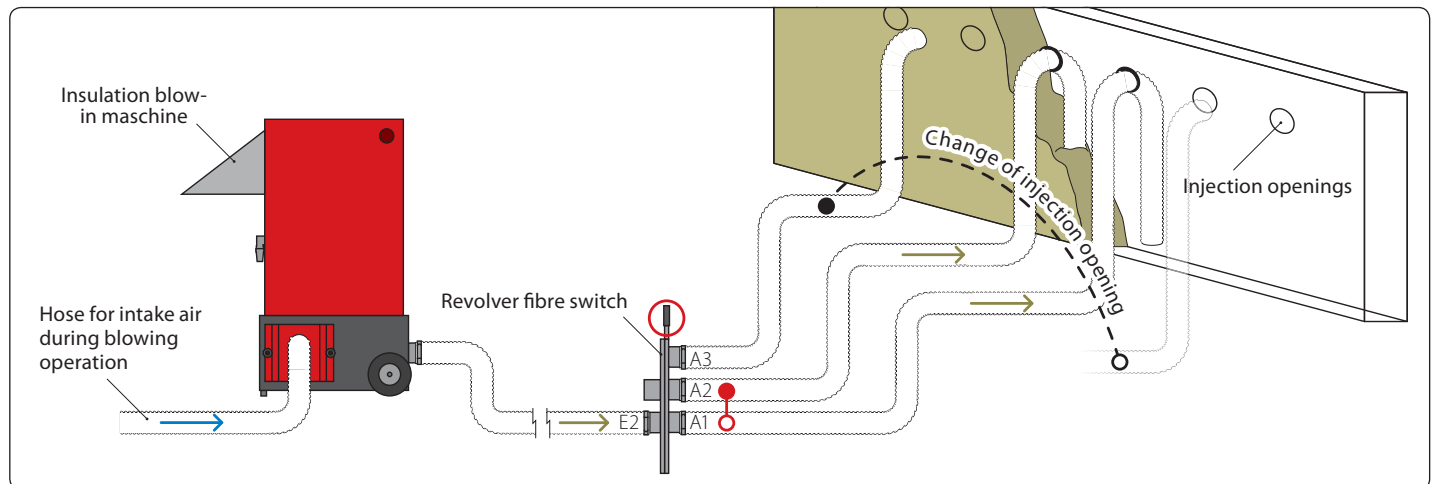


Revolver fibre switch
NW90 (3½")

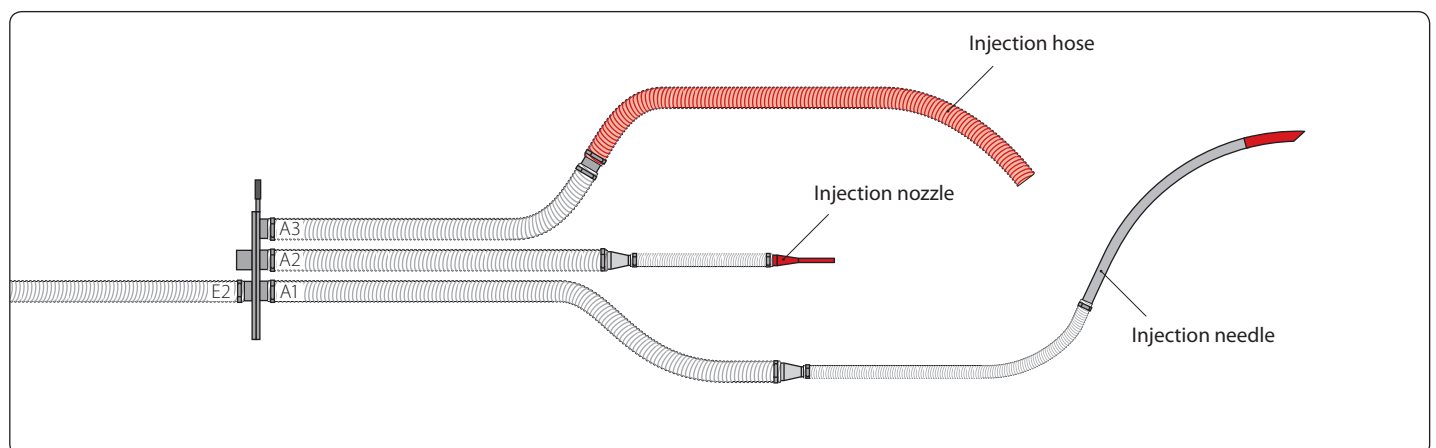


Connection diagrams fibre switches

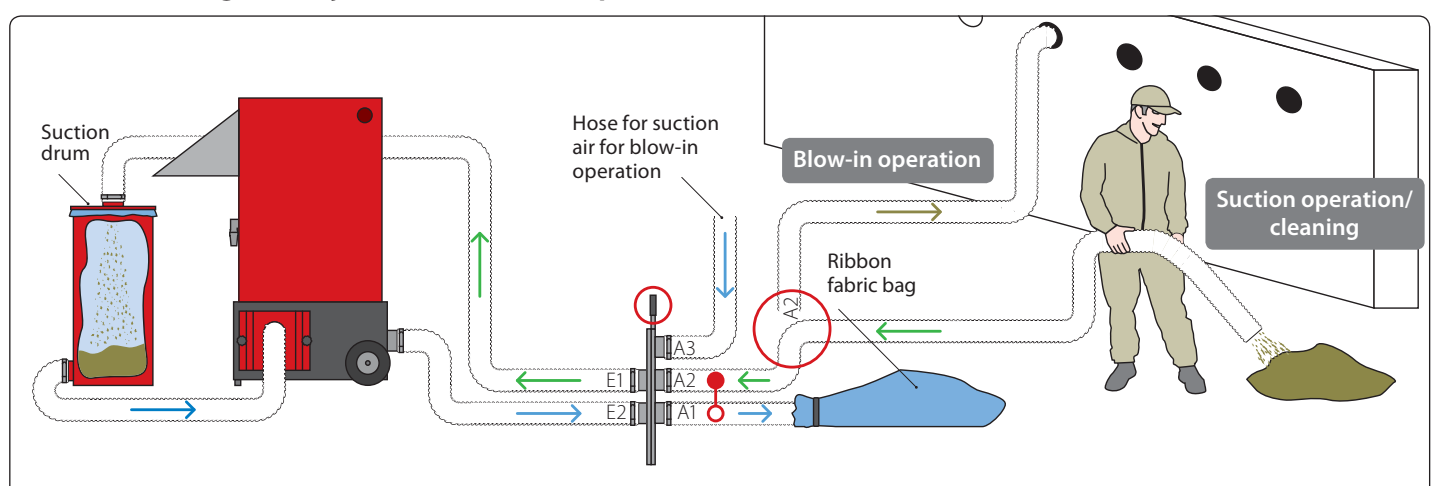
Connection diagram: Supply hoses and switching between hose lines



Connection diagram: Flexible change of injection tools



Connection diagram: Injection or suction operation



Equipment and accessories

Machine accessories

X-Floc blow-in machines, amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable control, power generators as well as bag supports, suction drums and other machine accessories can be found in the

► Product brochure **Machine accessories**



Nozzles and blowing accessories

For each insulation blow-in principle and each application, tools and/or accessories are necessary for insertion, sealing and venting. Detailed information about these accessories and everything about tools such as injection nozzles, injection needles/lances as well as hole saws and sealing parts can be found in the

► Product brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connectors are an essential part of the blow-in equipment because they can be used to create all conceivable transport lines and circuits. Detailed information on conveying and injection hoses as well as hose connectors, hose clamps, Y-pieces and fibre switches can be found in the

► Product brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation manufacturers and material testing institutes, and many more. You can find detailed information in the

► Product brochure **Measurement devices**



Damp spraying

In the damp spray process, thermal insulation material is moistened with water after exiting the hose. Detailed information on spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scrubber for smooth surfaces can be found in the

► Product brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the blow-in professional from contact with skin-irritating insulation materials. Detailed information on the X-Floc range of workwear, dust masks, professional respirators with legal approval as well as air filters, rechargeable batteries and other accessories can be found in the

► Product brochure **Industrial safety and respiratory protection**



X-Floc Dämmtechnik-Maschinen GmbH

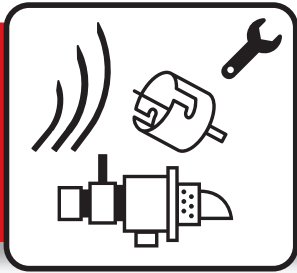
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Your X-Floc representative



Damp spraying/Fire protection

Highly effective thermal barrier and sound insulation



Damp spraying/Fire protection

- ▶ The damp spraying principle
- ▶ Spray heads and pipes (terminators)
- ▶ Pumps and wall scrubbers
- ▶ Spray heads with inline nozzle



The damp spraying principle

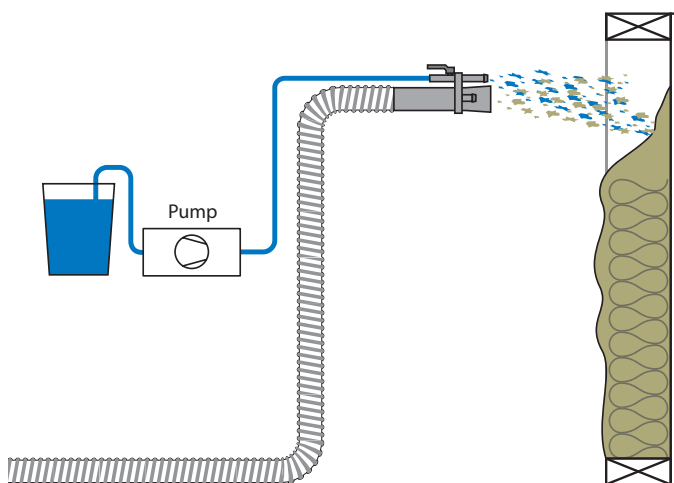
Method and application

In the damp spraying process, the loose insulation or fibre material is applied to walls and ceilings or boilers, pipes and fittings by means of special spraying systems moistened with water. The moisture dissolves the binders in the fibres and the insulation material becomes adhesive. Sprayed on smoothly and evenly open, the fibres form a permanent bond with the surface and create a highly efficient thermal barrier as well as effective sound and corrosion protection.

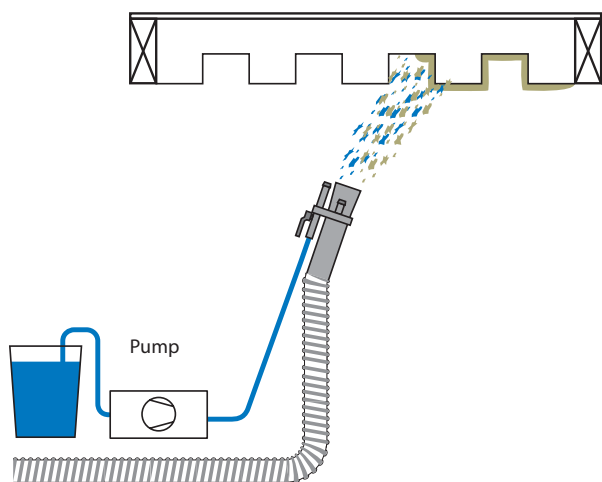
Optionally, an adhesive can be added to the water, which increases the bonding effect. In preventive fire protection, cement or gypsum is used as a binder, for example, and adhesive base coats are sometimes applied before the fire protection plaster.

In addition to the classic application for thermal or sound insulation, the process is also used in the film industry, e.g. for the realistic implementation of the illusion of ice and snow - one of the most demanding jobs in the field of special effects, for which specially suitable materials, equipment and working techniques are required.

Damp spraying/CSO



Fire protection



Application: Technical insulation



Application: Acoustic insulation



Application: Fire protection plaster



Application: Special effect with cellulose snow (Reference: Snow Business GmbH)

Damp spraying

In damp spraying, the insulation material is moistened with water after it exits the hose. Spray heads and pipes (terminators) with one or more spray nozzles are used for this purpose. The insulating material jet is optimally bundled, evenly moistened and openly applied to walls and ceilings up to the desired layer thickness.

If an adhesive is added to the water, the binding effect is increased so that thicker layers can be applied without any problems. This also makes upside-down application of the insulation material more convenient and easier.

Procedure damp spraying

A: Machine setting (ex. EM365):

- ① Air output (1 blower, 20-50%)
- ② Material dosage (slider 15-30%, M=6...10)
- ③ Pressure (15...30bar)
- ④ Pump
- ⑤ **Valve position, liquid quantity**

Moisture addition exemplary

Example:

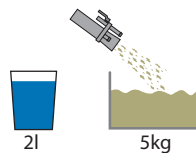
f: moisture content (%)

m_L : mass of liquid (kg)

m_{DS} : mass of insulating material (kg)

$$m_L = 2 \text{ kg}$$

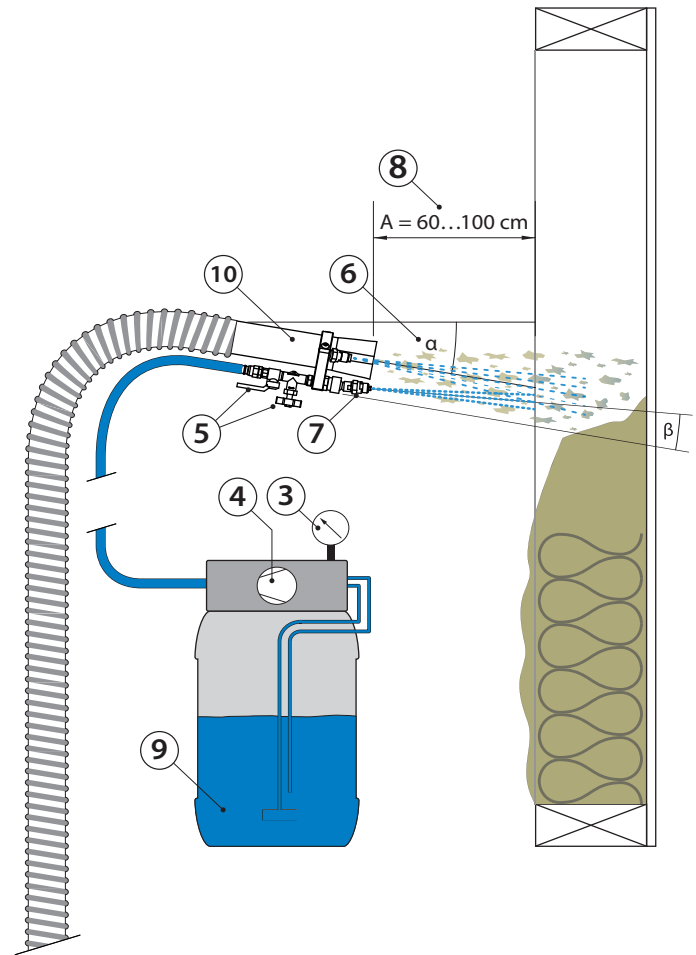
$$m_{DS} = 5 \text{ kg}$$



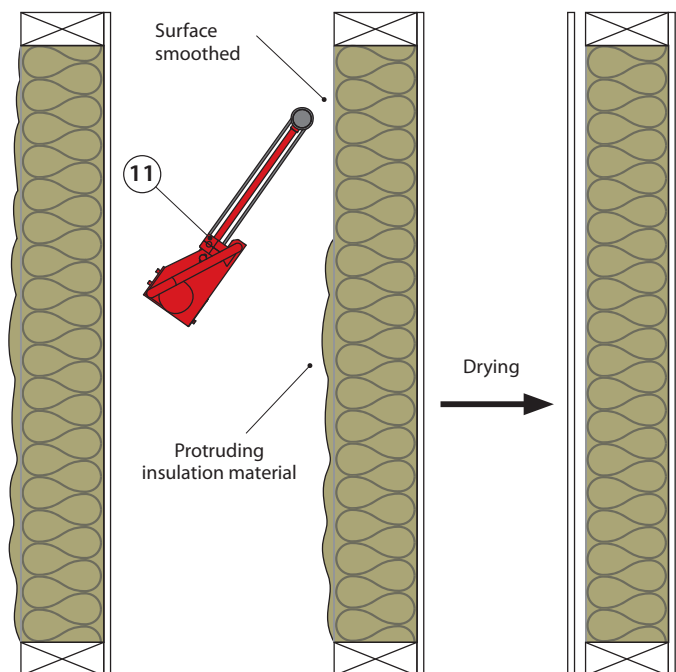
$$f = \frac{m_L}{m_L + m_{DS}} = \frac{2}{5 + 2} = 29\%$$

Recommended: 22%...40%

- ⑥ Spray head inclination angle α
 - ⑦ Nozzle inclination angle β
 - ⑧ Distance to wall A
 - ⑨ Liquid with adhesive additive if necessary
 - ⑩ Spray head guidance: slow horizontal movement building up from bottom to top
 - B:** After completion of the insulation work, mill off the protruding insulation material with a flat brush (to smooth the surface).
 - ⑪ Wall scrubber
- Allow the insulation material to dry out completely and, if necessary, seal the surface after drying



A: Example of machine setting for damp spraying



B: Smooth surface and seal after drying if necessary

X-Floc Spray heads and pipes

Application examples

Cellulose insulation sprayed with water:

- ▶ Ceiling insulation applied openly
- ▶ Dome insulation sprayed on
- ▶ Insulation of interior walls and installation levels
- ▶ Acoustic coating of surfaces with adhesive
- ▶ Interior insulation of solid masonry with adhesive

Glass and rock wool blown open

- ▶ Surface consolidation with water glass
- ▶ Continuous consolidation with water glass

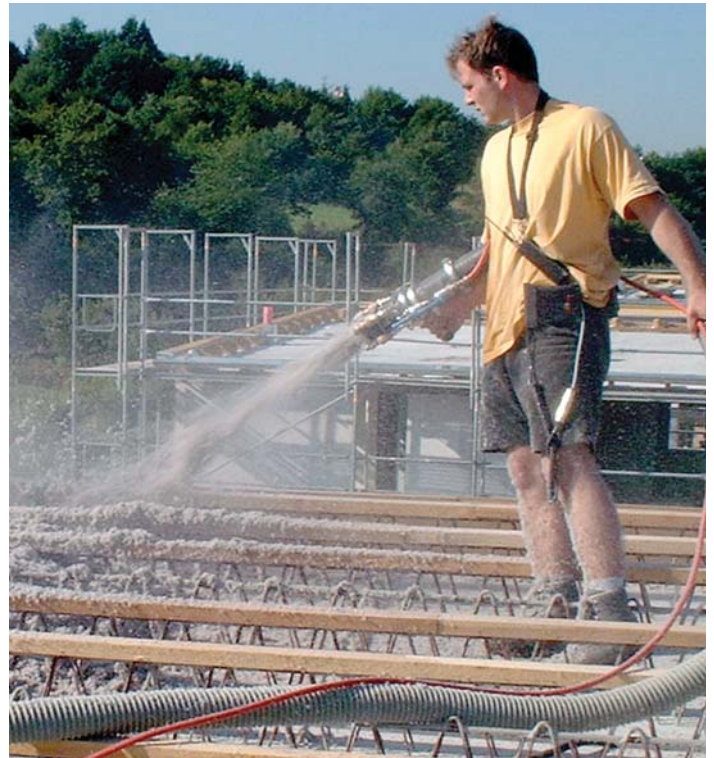
Rock wool with added adhesive

- ▶ Fire protection coating sprayed with water

Wood insulation materials







- ▶ Coatings with adhesive additive

When coating walls and ceilings, the smaller spray heads tend to be used; when moistening insulation layers, the Terminator spray heads with four nozzles are used.



Spray heads and spray pipes in comparison

X-Floc blow-in machines are suitable for almost all insulation materials and blow-in methods. In addition to the right machine, you can also choose the spray heads or spray pipes best suited to your needs for damp spraying. Contact us - we will be happy to advise you!

Series	Sprühköpfe					
Type	NW63 compressed air	NW50 Inline Type II	NW50 Inline (stainless steel)	NW50 Inline (plastic)	NW50 Inline Type III	NW63 Inline Type III
						
Art.no.	3196	4781	3535	5099	10714	7841
Spray nozzles	6 nozzles drilled	6 nozzles drilled	1 nozzle screwed	1 nozzle integrated	1 nozzle integrated	1 nozzle integrated
Pressure range	< 6bar	< 16bar	< 10bar	< 10bar	< 10bar	< 10bar
Water volume	< 10l/min	< 8l/min	< 1,6l/min	< 3l/min	< 3l/min	< 3l/min
Setting	2 adjustment valves	1 shut-off valve	Shut-off valve and needle valve	Shut-off valve	Shut-off valve	Shut-off valve
Application areas (exemplary)						
Mineral fibre spray insulation	●	●	○	○	○	○
Ceiling coating	○	○	●	●	●	●
Wall coating	○	○	●	●	●	●
Acoustic coating	○	○	●	●	●	●
Fire protection	○	○	○	●	●	●
Open/attic blowing	○	○	○	●	●	●
Weight	1,22kg	0,68kg	1,42kg	0,235kg	0,235kg	0,235kg
Total length	300mm	230mm	300mm	130mm	210mm	210mm
Material	Aluminium/plastic	Aluminium	Stainless steel	Plastic	Aluminium	Aluminium
Exchangeable nozzles	○	○	on request	○	○	○

● suitable/yes | ○ unsuitable/no/no details | All values are approximate.

Spray heads

In the damp spraying process, fibre insulation materials are applied with the addition of water and, if necessary, adhesive for thermal insulation, soundproofing and fire protection, etc.

- ▶ Smaller spray heads with up to two spray nozzles are particularly suitable for wall and ceiling coatings.
- ▶ Spray heads with three or more nozzles can also be used for wall coating. In practice, however, these nozzles are mainly used for open/attic blowing.









Spray pipes (terminators)

Spray pipes or terminators with four spray nozzles are mostly used for open application of insulation layers with dust binding and consolidation of the insulation material as well as for spraying insulation layers with finer nozzle sets.

- ▶ Even from a few metres away, the spray pipes offer a high degree of accuracy when applying the insulation material.
- ▶ Terminator 4-jet spray heads are equipped with a handle and a ball swivel joint, making them very comfortable to handle.



Sprühköpfe				Sprührohre	
NW75 Inline Type III	NW50 with 2 spray nozzles	NW63 with 3 spray nozzles	NW63 with 4 to 8 spray nozzles	NW63 with 4 spray nozzles	NW75 with 4 spray nozzles
					
7842	1983	3169	5824	1494	1720
1 nozzle integrated	2 nozzles changeable	3 nozzles changeable with ball joint	6 nozzles screwed (optional 4-8 nozzles)	4 nozzles changeable with ball joint	4 nozzles changeable with ball-and-socket joint
< 10bar	< 50bar	< 50bar	< 10bar	< 50bar	< 50bar
< 3l/min	< 1,25l/min	< 1,9l/min	< 10l/min	< 2,5l/min	< 2,5l/min
Shut-off valve	Shut-off valve and needle valve for fine adjustment	Shut-off valve and needle valve for fine adjustment	Shut-off valve and needle valve for fine adjustment	Shut-off valve and needle valve for fine adjustment	Shut-off valve and needle valve for fine adjustment
○	○	○	○	○	○
●	●	●	●	○	○
●	●	●	●	●	○
●	●	●	●	○	○
●	○	○	○	○	○
●	○	○	○	●	●
0,235kg	0,96kg	1,22kg	0,98kg	1,2kg	1,5kg
210mm	250mm	260mm	180mm	750mm	400mm
Aluminium	Aluminium	Aluminium	Aluminium	Plastic/Aluminium	Plastic/Aluminium
○	Many sizes available	Many sizes available	On request	Many sizes available	Many sizes available

Pumps

For damp spraying, pure water or a water-adhesive mixture is added to the fibre insulation material. Depending on the application, the liquid is pumped with the help of piston or diaphragm pumps. Piston pumps work with higher pressure (P) than diaphragm pumps. With both pumps, the working pressure can be precisely adjusted by means of an adjusting wheel and pressure gauge.

Piston pump

The **piston pump** is usually used for pumping pure water. This pump is connected directly to the water pipe via a hose. This eliminates the need to set up and refill a water tank. However, if necessary, it is possible to supply this pump from a slightly higher water tank. The water cannot be sucked in, but must reach the pump with some pressure.

Scope of delivery Piston high-pressure pump, portable:

- ▶ Pump, AC motor 230V/1,5kW incl. adjustment wheel
- ▶ Pressure gauge
- ▶ Pressure-side hose set with spray gun and lance
- ▶ Pump screwed onto carrying handle



Ordering information

Pump type	Pressure p max.	Flow rate max.	Art.no.
Piston	80bar	9,4l/min	1577
Diaphragm	20bar	20l/min	206
	30bar	33 l/min	10840

Accessories	Length	Art.no.
High-pressure hose (use max. 2 high-pressure hoses)	15m	715
	30m	5054
	50m	5055

Diaphragm pump

With the **diaphragm pump**, water can be sucked out of a water tank. This can be used to process pure water as well as a low-viscosity water-glue mixture. It is important to note that the adhesive should be compatible with the rubber membrane and that the pump should be rinsed with sufficient clear water after use. If necessary, the diaphragm can be replaced; replacement diaphragms are available

Scope of delivery Diaphragm high-pressure pump, portable:

- ▶ Pump, AC motor 230V/0,75kW or 2,2kW incl. adjustment wheel
- ▶ Pressure gauge
- ▶ Pressure-side hose set with spray gun and lance
- ▶ Pump screwed to base plate



Piston high-pressure pump



Diaphragm high-pressure pump

Wall scrubbers

Wall scrubbers are used to remove protruding insulation material and to smooth the surface. This is done quickly and easily with the powerful, lightweight brushes from X-Floc. The abrasion takes place by means of a supergrip profile. All rollers are covered with 4.5 mm thick soft PVC friction coating, which may be easily replaced by the customer if it is worn out due to intensive use of the wall scrubber.

Wall scrubber M05

The **M05 wall scrubber** with 4m cable is driven by a 220VAC 100 Watt carbon brush motor by means of a V-belt. The wall scrubber M05 model with cable connection is available in brush widths of 690mm and 1000mm, optionally the shorter roller can be widened to 990mm with an extension set.

Technical data at a glance:

- ▶ Brush width W= 690 mm (1000mm)
- ▶ Total depth D= 610 mm
- ▶ Brush weight: approx. 7,5 kg (approx. 8,3kg)
- ▶ Drive: 220 VAC 100 Watt carbon brush motor
- ▶ Belt: Standard V-belt RL1202 with protective cover for belt pulley

Battery wall scrubber

The ultra light **battery wall scrubber** is perfect for working in hard-to-reach places, overhead or in similarly uncomfortable postures. Uninterrupted work is possible thanks to the battery-powered angle drill, which can run continuously thanks to the interchangeable battery and quick charger supplied.

Technical data at a glance:

- ▶ Aluminium tube frame W= 490mm, D= 750mm
- ▶ Main roller L= 400mm, push-on roller L= 310mm
- ▶ Brush weight: approx. 3,5kg
- ▶ Drive: Angle drill (incl. 2 pcs. battery 2,6Ah)
- ▶ Running time with full battery approx. 36-40 min. depending on load, duration for quick charge 30 min.
- ▶ Lever linkage for speed adjustment / on / off



Ordering information

Description	Roller width	Drive	Art.no.
Wall scrubber M05 with 4m cable	approx. 690mm	220V	2364
	approx. 1000mm	220V	4246
Roller extension kit for art.no. 2364	+150mm on both sides (up to approx. 990mm)		2438
Battery wall scrubber incl. roller extension kit	approx. 400mm	12V	3803
	approx. 710mm		



Wall scrubber M05



Battery wall scrubber

Inline humidification

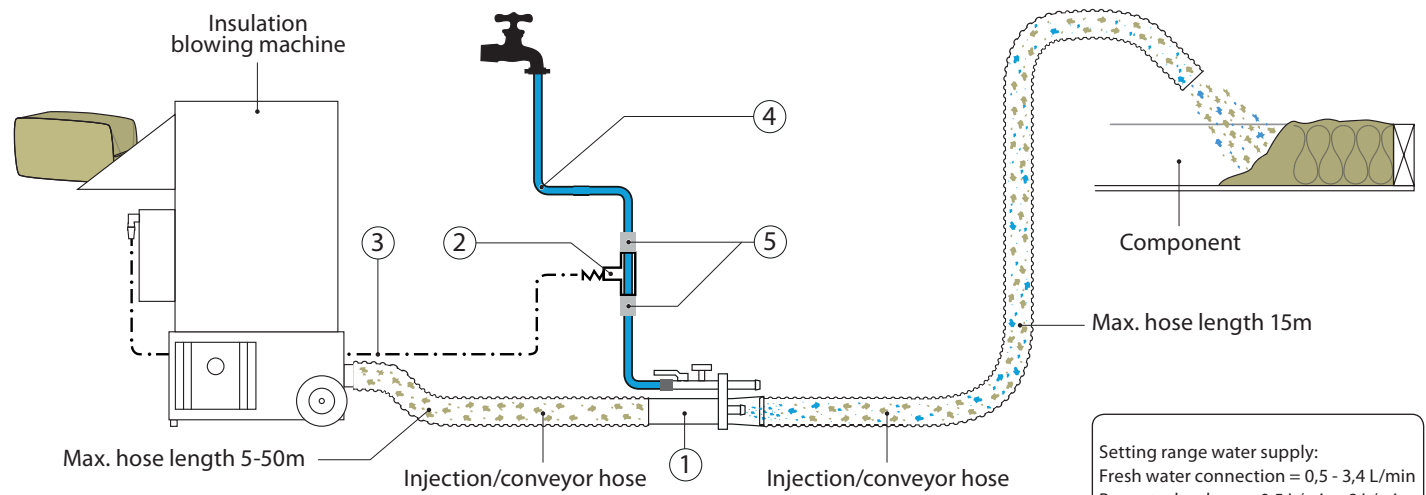
Effective dust reduction

Especially when loose insulation materials, such as cellulose or wood fibre, are blown open, dust formation cannot be avoided. With the help of an inline humidifier, this dust development can be significantly reduced.

An inline humidifier is a hose connector with an internal spray nozzle that is activated by a solenoid valve when the material feed is switched on. Water is now added and this creates a liquid mist that binds the fine particles contained in the material flow so that less dust is created when the material exits.



Inline humidification with fresh water connection



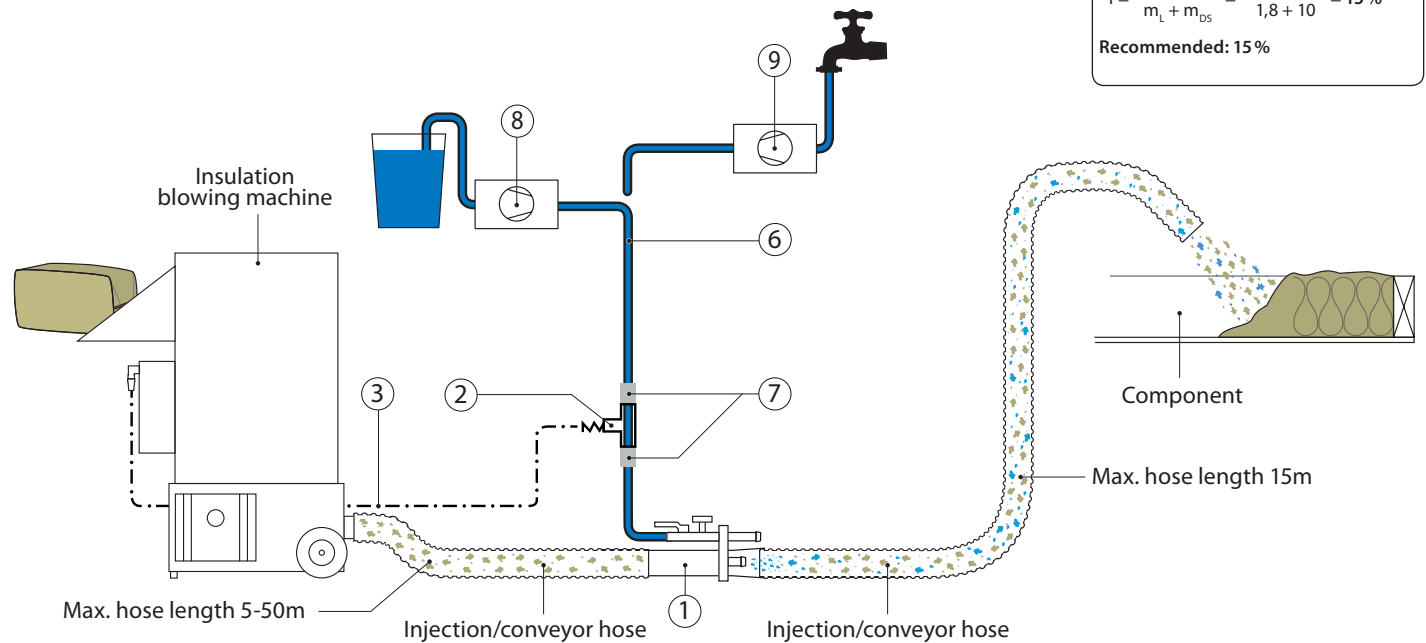
Setting range water supply:
Fresh water connection = 0,5 - 3,4 L/min
Pump technology = 0,5 L/min - 8 L/min

Example:
f: Moisture content [%]
 m_L : Mass of liquid [kg] = 1,8 kg
 m_{DS} : Mass of insulation material [kg] = 10 kg

$$f = \frac{m_L}{m_L + m_{DS}} = \frac{1,8}{1,8 + 10} = 15 \%$$

Recommended: 15 %

Inline humidification with pump technology

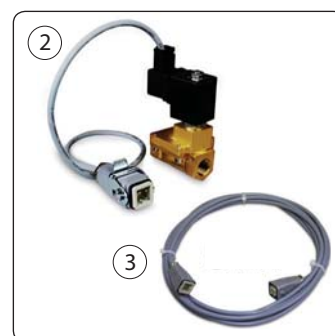


Ordering information

	Description	Art.no.
①	Inline humidifier NW50 (Art.no. 5099 (Plastic)) Inline humidifier NW63 Inline humidifier NW75	10714 7841 7842
②	2/2-way solenoid valve with control cable connection for switching the liquid supply on/off	8334
③	Connection control cable for control via EMB L=5 m L=2,5m L=25m L=50m	1856 1351 1192 1193
④	Fresh water hose ø15/9mm, L=25m	6540
⑤	Threaded nozzle 9mm (1/4"), 16bar for fresh water PVC fabric hose	6261
⑥	High pressure hose ø13,5/9mm, max. 180bar L=15m L=30m L=50m	715 5054 5055
⑦	Closing sleeve, shut-off on both sides 9mm (1/4"), nominal pressure min. 100bar for high pressure hose/HD pump connections	576
⑧	Piston pump	1577
⑨	Diaphragm pump 0,75kW, p=20bar Diaphragm pump 2,2kW, p=30bar	206 10840



Inline humidifier



Solenoid valve and connection control cable for EMB



Fresh water hose



Threaded nozzle for fresh water hose



High pressure hose with coupling and plug



Closure sleeve for high pressure hose



Piston pump



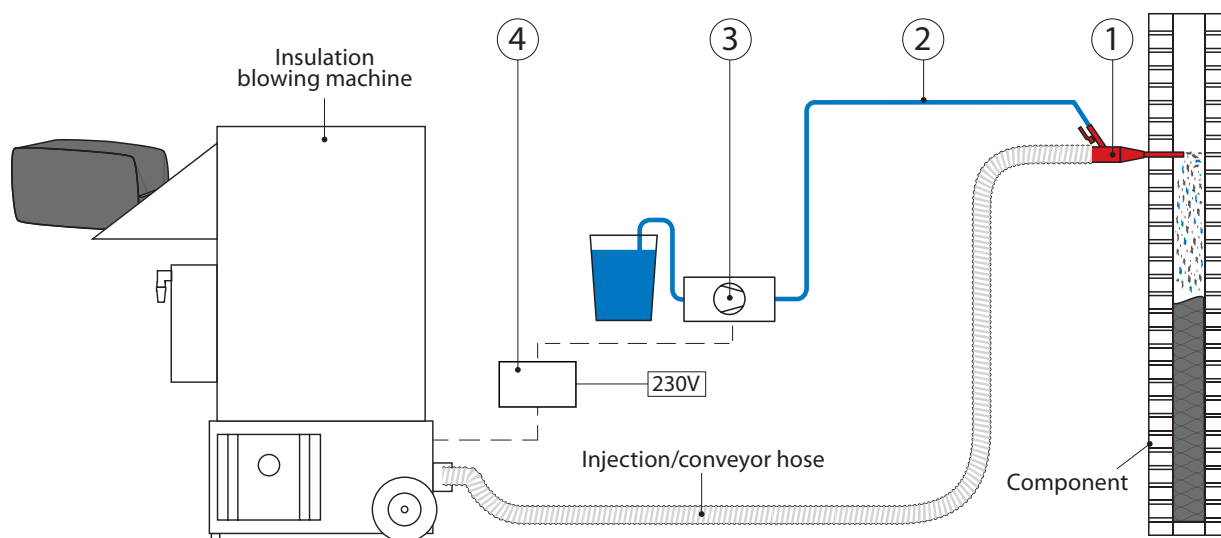
Diaphragm pump

Spray head Inline/Adhesive NW50>24

The **Spray head Inline/Adhesive NW50 (2")** is used for injecting and bonding of EPS granulate. Due to the complete wetting of the granulate beads, the cavity layer insulation solidifies permanently after the adhesive has set. The nozzle tube with specially shaped outlet allows a high processing speed despite the relatively small bore diameter. The nozzle tube insert is easy to replace.

Technical data at a glance:

- ▶ Nozzle tube $\varnothing D=24\text{mm}$, insertion depth approx. 260 mm
- ▶ One-hand shut-off coupling $\frac{1}{4}"$ with shut-off valve (P max. 20bar)
- ▶ Flow rate: approx. 0,25l/min at 10bar
- ▶ Weight: approx. 0,95 kg



Ordering information

	Description	Art.no.
①	Spray head, inline / adhesive NW50>24 Spray head, inline / adhesive NW50>21	7881 8120
②	High pressure hose 9mm/ $\frac{1}{4}"$, max. 180bar L=15m L=30m L=50m	715 5054 5055
③	Diaphragm pump 0,75kW, p=20bar Diaphragm pump 2,2kW, p=30bar	206 10840
④	Master-slave control 24V= / 230V~	1057
⑤	Adhesive XF10 for bonding EPS granulate	7976



Inline humidifier / adhesive



High pressure hose



Diaphragm pump



Master-slave control and adhesive XF10



The high-performance blow-in machine X-Floc Turbofant EM500...



...in use for power damp spraying



Sustainable noise protection with acoustic insulation



Frequently used for damp spraying: the mobile all-rounder X-Floc Minifant M99



Surface smoothing with the wall scrubber M05



Fire protection in turbine construction at Warsaw University of Technology



Snow Business GmbH provides cellulose snow rain on the set



Special effects by Pyrofolie's, Paris: „Snow“ in Marraksch

Equipment and accessories

Machine accessories

X-Floc blow-in machines, amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable control, power generators as well as bag supports, suction drums and other machine accessories can be found in the

► Product brochure **Machine accessories**



Nozzles and blowing accessories

For each insulation blow-in principle and each application, tools and/or accessories are necessary for insertion, sealing and venting. Detailed information about these accessories and everything about tools such as injection nozzles, injection needles/lances as well as hole saws and sealing parts can be found in the

► Product brochure **Nozzles and blowing accessories**



Hoses and connectors

Hoses and connectors are an essential part of the blow-in equipment because they can be used to create all conceivable transport lines and circuits. Detailed information on conveying and injection hoses as well as hose connectors, hose clamps, Y-pieces and fibre switches can be found in the

► Product brochure **Hoses and connectors**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation manufacturers and material testing institutes, and many more. You can find detailed information in the

► Product brochure **Measurement devices**



Damp spraying

In the damp spray process, thermal insulation material is moistened with water after exiting the hose. Detailed information on spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scrubber for smooth surfaces can be found in the

► Product brochure **Damp spraying**



Industrial safety and respiratory protection

The special work suit with hood protects the blow-in professional from contact with skin-irritating insulation materials. Detailed information on the X-Floc range of workwear, dust masks, professional respirators with legal approval as well as air filters, rechargeable batteries and other accessories can be found in the

► Product brochure **Industrial safety and respiratory protection**



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Your Y-Floc representative

Test Elements for Checks, Tests and Demonstrations

Reliable Dry Injection, Open-Blowing and Cavity Wall Insulation.

0.1 m³ Test Element

- ▶ Dry injection with hose through the injection rosette (vertical/ diagonal/ horizontal).
- ▶ Dry injection with ventilated rotary nozzle through a drill hole on the back of the element (vertical/diagonal).
- ▶ Open blowing (horizontal)
- ▶ Damp spray (vertical/horizontal)
- ▶ Material settlement testing, thickness measuring, density testing and weighing
- ▶ Removable plexiglas door

* Drill holes must be made after purchase, for example with the cylinder saw ($\varnothing = 106.5$).



Dry injection with hose



Dry injection with ventilated rotary nozzle



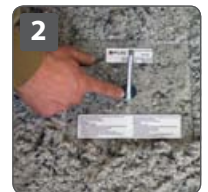
Opening the test element to examine the filling results.



Testing the density of the filled test element with the NW100 density testing set.

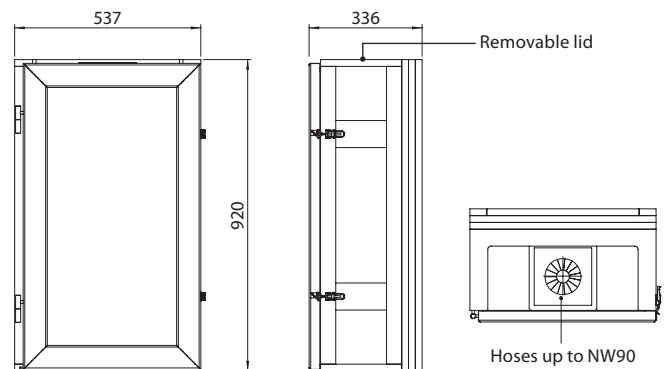


Open blowing with hose



Testing the thickness of open blown insulation with the thickness gauge.

Image	Description	Prod. no.
	Hole saw with core ejection system, $\varnothing = 106.5$ mm	4966
	Thickness gauge / test panel	1831
	NW100 density testing set with case, mains adaptor and hole saw	4349
	NW63/NW75 sealing sponge	292



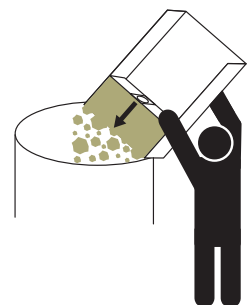
Technical Data

Product no. 3946

Test volume: 0.1 m³

W × D × H = 537 × 336 × 920 mm

Weight: approx. 26 kg



With its removable lid, the test element can be easily emptied.

Demo-Videos:
www.x-floc.com/videos

0.0175 m³ Test Element

- ▶ Test element for testing the installation density for blown-in mineral fibre cavity wall insulation according to EN 14064-2, annex C.
- ▶ Removable front panel for checking the installed insulation
- ▶ Practical locking device for quick emptying
- ▶ Increased stability thanks to an enlarged base.
- ▶ Handle for easy transport and handling.
- ▶ Robust multiplex material and reinforced metal rear wall opposite the injection hole.



Injection nozzle






Injection nozzle with ball valve

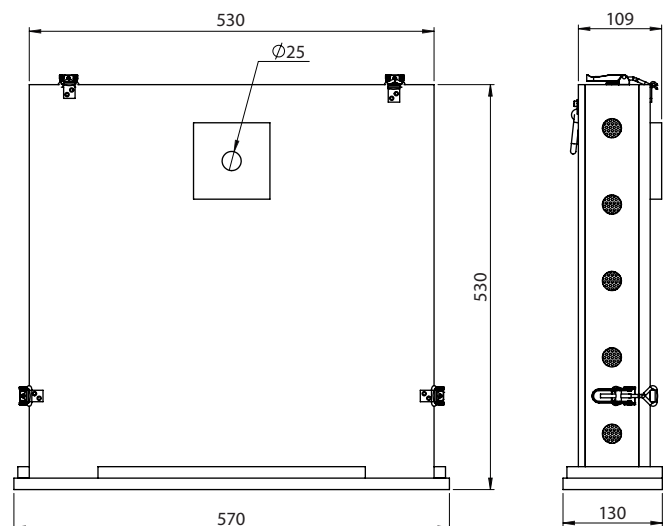


Opening the test element and inspecting the filling results.



Quality control with the digital scales

Image	Description	Prod. no.
	NW50>24 injection nozzle	3961
	NW50>24 injection nozzle with ball valve	5692
	Digital scales for the test-ing basket	4544



Technical Data

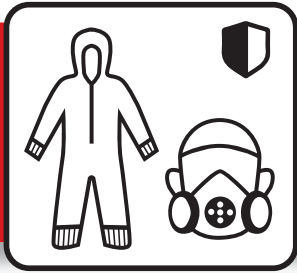
Product no. 5697

Test volume: 0.0175 m³

W × D × H = 570 × 130 × 530 mm

Weight: approx. 8 kg

Demo-Videos:
www.x-floc.com/videos



Occupational safety

Protective equipment for the blow-in technology



Occupational and respiratory protection

- ▶ Active blow-in respiratory protection sets
EA1500, EA1800, EA4000, EA5000 and EA5500
- ▶ Masks, particle filters and other accessories
- ▶ Work clothing for the blow-in technology



Respiratory protection equipment for the blow-in professional

The filling of blow-in machines and the blow-in process itself are never completely dust-free. Apart from the sealing options during blowing-in, such as sealing sponges and blow-in screens during hose blowing or when working with the blow-in needle and the seals of vented blow-in nozzles and blow-in lances, there is the option of using passive and active respiratory protection masks.






The professional equipment offers many advantages:

- ▶ Compact, lightweight blower and handy shape
- ▶ High wearing comfort and easy handling
- ▶ Active airflow regulation and automatic monitoring
- ▶ Robust construction, suitable for construction site use
- ▶ Easy replacement of spare parts and components in case of maintenance
- ▶ Easily replaceable lithium-ion battery



Professional respirators

X-Floc offers professional respirators with legal approval in a complete set. The versions are robust, suitable for construction sites and approved for the highest protection class TH3. All units are ideally suited for working with blow-in insulation materials. A respiratory protection blower with air hose, face shield or helmet, padded comfort belt, filter set, air flow meter and rechargeable battery with charger are included in the standard scope of delivery. You will also find air filters, batteries and other accessories in our product range. Ask us – we will be happy to advise you.

Blow-in respirators	EA1500	EA1800	EA5000	EA5500	EA4000
Art. no.	11086	11162	10232	10234	9689
					
Application	Mobile blow-in respirators for safe working in particle-laden environments				
Main areas of application	Processing of loose insulation materials such as cellulose, wood fibre, glass and rock wool, perlite, etc.				
Device / IP protection class	TH3	TH3	TH3, TM3 / IP67	TH3, TM3 / IP67	TH3, TM3 / IP65
Total weight	approx. 1080g with battery and filter	approx. 980g with battery and filter	approx. 1100g with battery and filter	approx. 1100g with battery and filter	approx. 1100g with battery
Certification	EN12941	EN12941	EN12941, EN12942	EN12941, EN12942	EN12941, EN12942
Lithium-ion battery	7,2V	14,4V / 2,6Ah	14,4V	14,4V	14,4V
Battery operating time	up to 10 hours	up to 10 hours	up to 8 hours	up to 8 hours	up to 8 hours
Charging time	approx. 4 hours	approx. 3 hours	approx. 2 hours	approx. 2 hours	approx. 2 hours
Airflow warning	●	●	●	●	●
Battery warning	●	●	●	●	●
Filter status display	●	●	●	●	●
Air output (adjustable on the unit)	170-240l/min. 5 levels adjustable	160-210l/min. 4 levels adjustable	175-225l/min. 2 levels adjustable	175-225l/min. 2 levels adjustable	80-200l/min. 3 levels adjustable
Noise level	< 70dB	< 65dB	< 65dB	< 65dB	< 65dB
Ambient humidity	< 95%	< 95%	< 90%	< 90%	< 70%
Number of filters	1 particle filter 1 prefilter	2 particle filters 2 spark arrestors 2 prefilters	2 particle filters 2 prefilters	2 particle filters 2 prefilters	2 particle filters 2 prefilters (integrable)
Temperature range	0°C to +60°C	0°C to +60°C	-10°C to +55°C	-10°C to +55°C	-10°C to +40°C
Carrying strap	Padded comfort belt: adjustable waist belt with plastic buckle and back plate				
Material half mask	PVC visor according to EN 166: 1B Optional: hard-coated, solvent-resistant and scratch-resistant visor				

Blow-in working suit Overall X-Floc

When filling the blowing machine and during the blow-in process itself, insulation materials settle under the clothing and some are very irritating to the skin. Additional protection is provided by the khaki-coloured working suit with hood, which covers all openings. This makes the work much safer, especially during attic blowing.



		Art.-Nr.
Blow-in working suit Overall X-Floc	Size M	3952
	Size L	3741
	Size XL	3673
	Size XXL	3674
Fine dust mask	FFP2 with exhalation valve	1255

Accessories / Spare parts		Art. no.
Filter	Particle filter	678
	Combination filter A2-P3	830
	Prefilter Pro 2000	719
	Prefilter holder Pro 2000	1142
Masks	Face shield Automask	706
	Lens for Automask, scratch resistant	3284
	Protective film for Automask lens	3285
Carrying strap	Shoulder strap	4670

Fine dust mask FFP2

The integrated valve makes breathing in and out much easier and makes the FFP2 fine dust mask comfortable to wear for a long time. The ergonomic cup shape provides an even better seal around the face. The mask is certified according to EN 149:2001 and is supplied in hygienic individual packaging.



Work and respiratory protection equipment

Machine accessories

X-Floc blow-in machines, amplifier/vacuum stations and other products can be operated and combined in a variety of ways. Detailed information on radio remote controls, cable control, power generators as well as bag supports, suction drums and other machine accessories can be found in the relevant product docu.

► More info, see brochure **Machine accessories**



Measurement devices

X-Floc maintains close cooperation with university research and development institutions. This results in an extensive product range in the field of measuring and testing technology for blow-in technicians, insulation manufacturers and material testing institutes, and many more. More info can be found in the relevant product docu.

► More info, see brochure **Measurement devices**



Nozzles and blowing accessories

For each insulation blow-in principle and each application, tools and/or accessories are necessary for insertion, sealing and venting. Detailed information about these accessories and everything about tools such as injection nozzles, injection needles/lances as well as hole saws and sealing parts can be found in the relevant product docu.

► More info, see brochure **Nozzles and blowing accessories**



Damp spraying

In the damp spray process, thermal insulation material is moistened with water after exiting the hose. Detailed information on spray heads and pipes for the various applications as well as on high-pressure pumps such as membrane or piston pumps and on wall scrubber for smooth surfaces can be found in the relevant product docu.

► More info, see brochure **Damp spraying**



Hoses and connectors

Hoses and connectors are an essential part of the blow-in equipment because they can be used to create all conceivable transport lines and circuits. Detailed information on conveying and injection hoses as well as hose connectors, hose clamps, Y-pieces and fibre switches can be found in the relevant product docu.

► More info, see brochure **Hoses and connectors**



Comparison of insulation blow-in machines

For more than 25 years, X-Floc Dämmtechnik-Maschinen GmbH has been considered a centre of competence for the development of blow-in technology. We designed a number of innovations and construction standards that have established themselves as the state of the art and many are part of the basic equipment of an X-Floc blow-in machine.

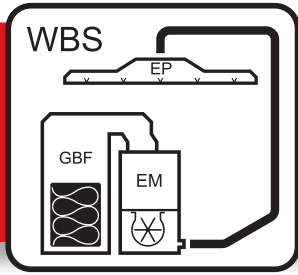
► More info, see brochure **Comparison of insulation blow-in machines**



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Factory filling

Plant technology for the prefabrication of frame elements



Factory filling

Modular plant technology based on

- ▶ the injection panel EP800
- ▶ the bale conditioning machine GBF1050
- ▶ and an insulation blow-in machine of the EM400 series

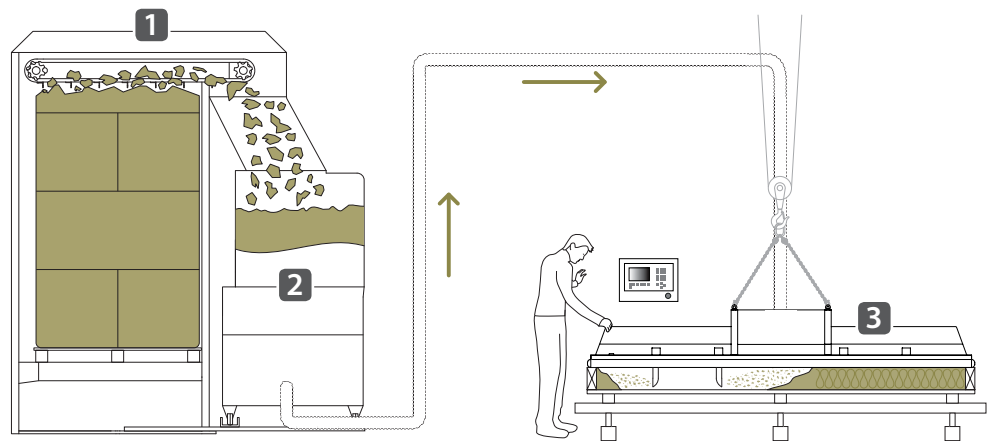




Industrial filling technology

The automated blowing in of entire timber frame elements with loose insulation materials means greater efficiency with consistently higher performance and precision. This is why carpentry businesses, timber construction companies and prefabricated house manufacturers in particular are increasingly opting to use factory filling systems.

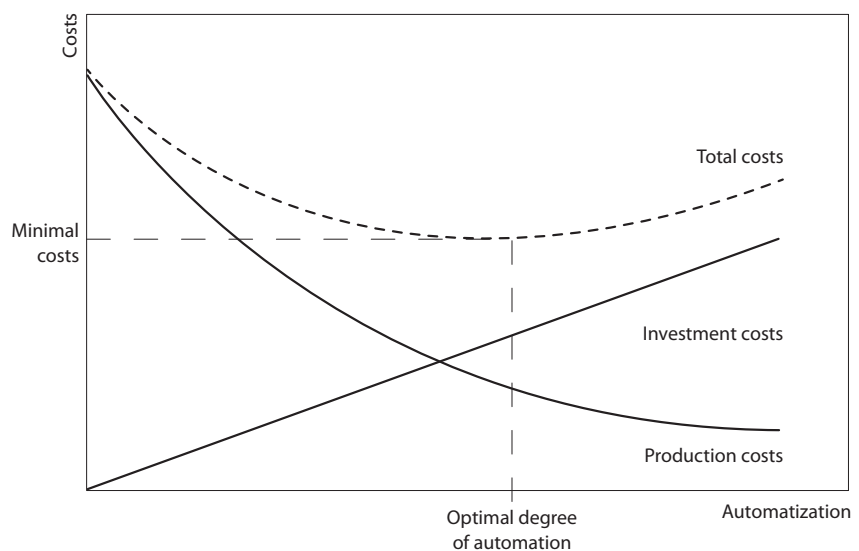
The X-Floc factory filling system consists as standard of the GBR1050 bale conditioning machine and an EM400 series blow-in machine (e.g. EM430) as well as the EP800 injection panel, which can be optionally equipped with a VS40 amplifier.



1 Bale conditioning machine **2** Insulation blow-in machine **3** Injection panel

With the modular X-Floc factory filling system, the best insulation results can be achieved at minimum cost. The advanced level of automation and the consistently high processing quality enable the optimum use of resources and give the products industrial quality.

Factory filling systems from X-Floc GmbH can be adapted to individual customer requirements and used in small businesses as well as integrated into fully automated production lines.





X-FLOC

Injection panel EP800

The basic version of the EP800 injection panel has five large blowing nozzles and four pneumatically driven material diverters with a diameter of 3 inches. Depending on the insulation material used and the desired installation density, a material throughput of well over 1 tonne per hour is possible. In order to achieve an optimum blow-in pattern with each insulation material, the height of the blow-in nozzles can be adjusted by several centimetres. The material diverters are supplied with the required compressed air at the factory. The EP800 injection panel, like the other machines in a factory filling system, is controlled by a high-quality industrial controller „Made in Germany“ and the software developed by X-Floc. After placing the injection panel on the unplanked element on one side, all that is required is to enter the dimensions (length, width, height) and specification of the insulating material. The blowing process can then be started.

The most important advantages at a glance:

- ▶ Suitable for all loose insulation materials
- ▶ Customised to your blow-in insulation material
- ▶ Automated blowing process
- ▶ Adjustable density
- ▶ Scalable modular system
- ▶ Crane or bridge connection

Injection panel EP800	
Dimensions	approx. 3000x900x490mm*
Weight	approx. 300kg
Electrical connection cable	230V/50Hz/10A
Number of injection nozzles	standard: 5 injection nozzles
Filling procedure	by means of 5 vertical filling nozzles, height adjustable 0-6mm
Handling	practical handle for manual guidance
Control	industrial control with matching software, touch screen
Communication	via radio, alternatively wired
Pneumatic supply	via integrated compact air compressor (alternatively external)
Material compatibility	insulation material based on cellulose, wood fibre, mineral fibre, rock wool and similar
Options	quality assurance with load cells handling system LAN-to-LAN industry router line laser module
Processing capacity	300-1000kg/h depending on insulation material and application

* Different dimensions on request.



X-FLO

GBF105

EM430



Bale conditioning machine GBF1050

The GBF1050 bale conditioning machine is used to process delivery bundles, which, depending on the manufacturer, consist of compressed insulation material blocks of the appropriate size or stacked insulation bales. The GBF1050 is ideal for stationary factory use, where it forms the basis for the highly efficient filling of prefabricated wall and ceiling elements with an EM400 series insulation blow-in machine plus EP800 injection panel.

The GBF1050 bale conditioning machine can be loaded with bales of compressed insulation material using a pallet truck, forklift truck or conveyor belt. The geometrically shaped milling unit, consisting of 18 milling knives, breaks up the large bale layer by layer and feeds the pre-loosened material to the blowing machine via an ejector. Thanks to the logical control system and numerous sensors used, virtually uninterrupted material transport is ensured. The weighing system of the large bale conditioning system enables precise and reproducible filling.

The most important advantages at a glance:

- ▶ Compatible with most insulation blow-in machines
- ▶ Appropriate for big bales of cellulose, wood fibre and mineral wool
- ▶ Remarkable efficiency for thermal insulation of prefab elements

Bale conditioning machine GBF1050

Dimensions (LxWxH)

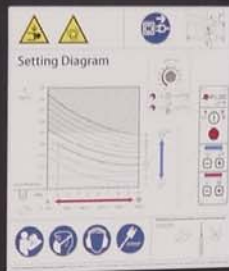
Surface area	approx. 1452x1688x3191mm*
Total dimensions	approx. 2183x1688x3191mm
Internal dimensions for bales	approx. 1200x1200x2300mm
Weight	approx. 1220kg
Power supply	400V/50Hz/16A
Rating power	2,5kW
Production capacity	up to 5 cycles per hour (depending on the bale approx. 1500kg/h)
Shredding	milling unit
Operation	control panel

* Data without optionally available signalling light



X-FLOC

EM430



X-FLOC
VS55M

Insulation blow-in machine EM430

Consistently high material throughput using proven material shredding units and powerful, durable turbine technology for air generation make the EM430 insulation blow-in machine the first choice for factory filling. The four rotating shredding shafts and two shredding shafts of the two-stage loosening unit optimally prepare any loose insulation material for pneumatic conveying and professional installation. The rotary valve transports the loosened material into the air flow of the five-stage high-performance turbine, which ensures the required material acceleration and conveying. All functions and parameters relevant for a successful blowing process can of course be taken over by the control system of the factory filling system; manual intervention is no longer necessary..

The most important advantages at a glance:

- ▶ High air and throughput capacity
- ▶ Optimised for use in a factory filling system
- ▶ Powerful crusher and agitator
- ▶ Can be used individually or in combination with GBF1050 or GBB
- ▶ Scalable modular system

EM430 customised for factory filling

Dimensions (LxBWxH)	1300x1020x1800mm
Weight	427kg
Power supply	400V/50Hz/3x16A
Rated power	9,5kW
Motor power	2,0kW
Turbine power adjustable	7,5kW
Delivery pressure adjustable	max. 520mbar
Minium discharge pressure	390mbar
Air volume (nominal / measured)	490m³/h / 420m³/h
Material throughput*	max. 1600kg/h
Packaging density	max. 200kg/m³
Filling container	1,0m³
Filling height	1260mm
Dust extraction	passive (strip curtain) aktive with dust extraction
Intake / outlet connection	NW90 (3,5")
Discharge nozzle	NW90 (3,5") direct reduction possible
Hose length*	max. 150m
Rising height* without/withamplifier	max. 35m/50m
Supply air unit	high-performance turbine
Supply air amplification	external amplification (option)

All values are approximative.

*Depending on the insulation material used and the blowing process.
Data based on average cellulose insulation material.

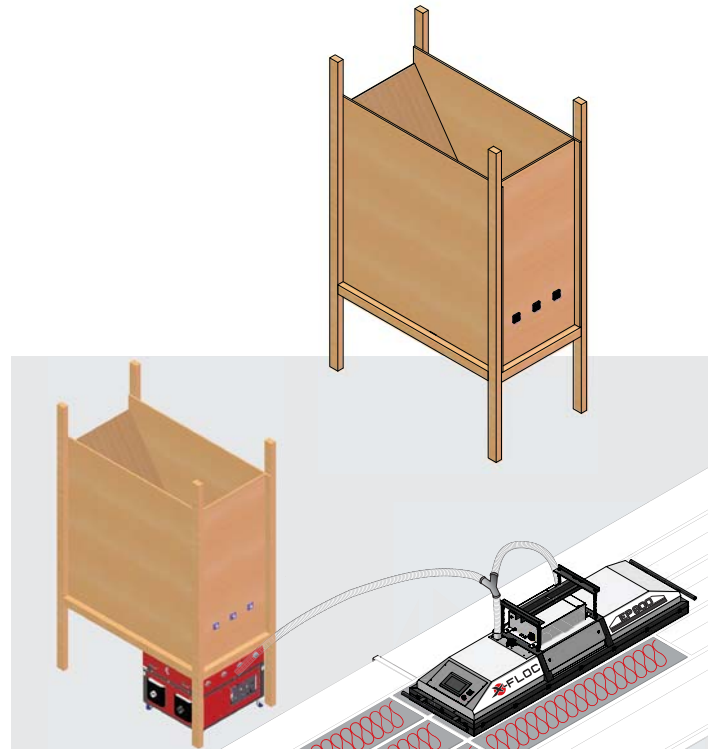
GBB big bale bunker

The GBB big bale bunker is just right for companies that already have a suitable blow-in machine and want to process big bales without investing in an additional system. Designed as a flexible modular system, the GBB can transform an EM430 insulation blow-in machine into an efficient blowing machine with storage capacity.

The insulation material is supplied to the machine in already crushed pieces by means of attached crushing shafts and is further broken up by the machine and transported into the frame element.

The most important advantages at a glance:

- ▶ Loading big bales
- ▶ Extension volume for your existing machine
- ▶ Assembly kit principle
- ▶ Integrated breaking unit
- ▶ Adaptable to the respective hall geometry

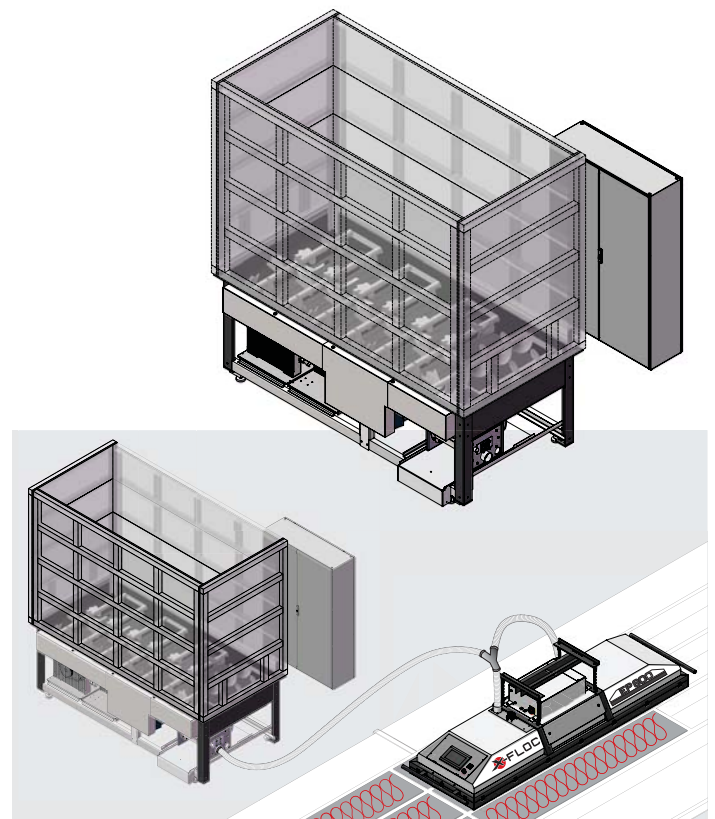


GBA2000 Big bale shredder

For the purposeful and professional extension of our stationary plant technology, X-Floc has created the GBA2000 big bale shredder. With a storage volume of up to two big bales and the possibility to further automate the filling process by a conveyor belt, the GBA has the back of the person filling the bales. Thanks to its design, the GBA2000 allows material - even loose material - to be refilled at any time through the top-opening hatch. With its own powerful blower unit, which ensures a high air and thus throughput capacity, there is no more need for a blowing machine optimized for factory filling.

The most important advantages at a glance:

- ▶ Suitable for all loose or compressed blow-in insulation materials
- ▶ Automated blowing process
- ▶ Several large bales can be stocked
- ▶ Own crusher and agitator
- ▶ Own blower system
- ▶ Replaces a big bale conditioner and EM430 blow-in machine
- ▶ Scalable modular system



Combinations

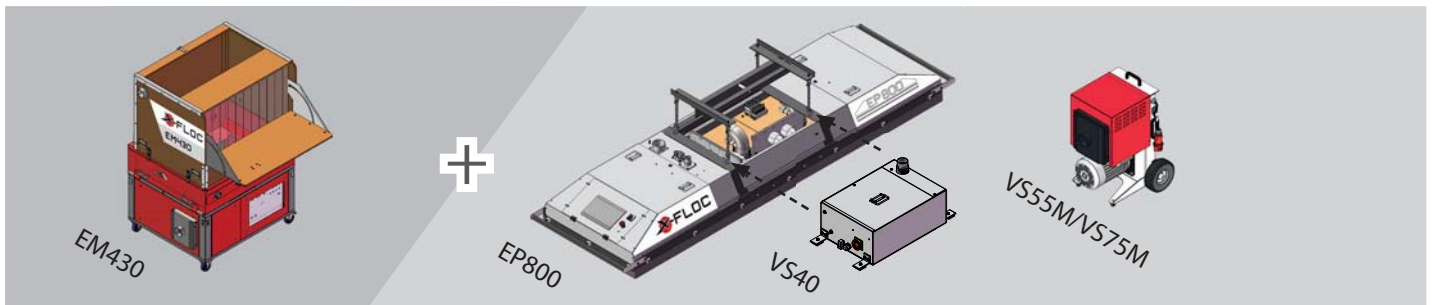
Variant ① GBF1050 + EM430 + EP800 (+ VS40) (+ VS55M/VS75M)*



Variant ② GBF1050 + EM430 (+ VS55M/VS75M)*



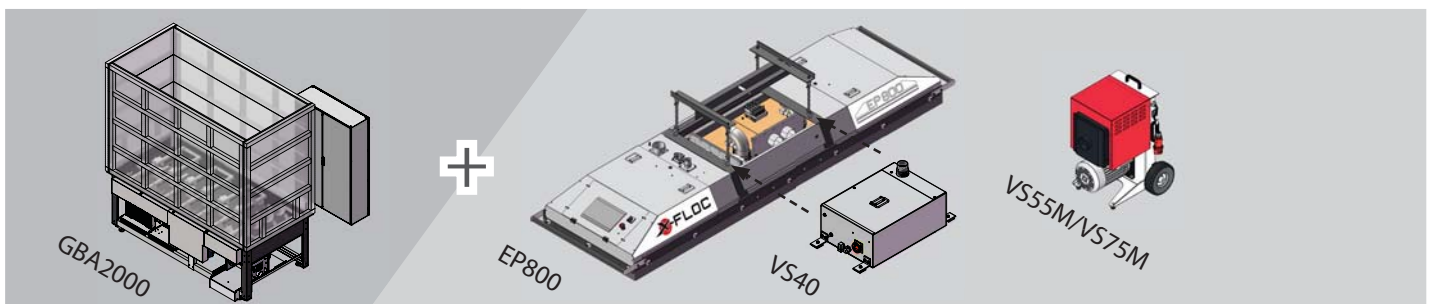
Variant ③ EM430 + EP800 (+ VS40) (+ VS55M/VS75M)*



Variant ④ GBB + EM430 + EP800 (+ VS40) (+ VS55M/VS75M)*



Variant ⑤ GBA2000 + EP800 (+ VS40) (+ VS55M/VS75M)*



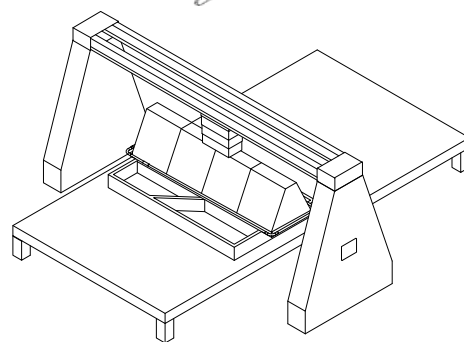
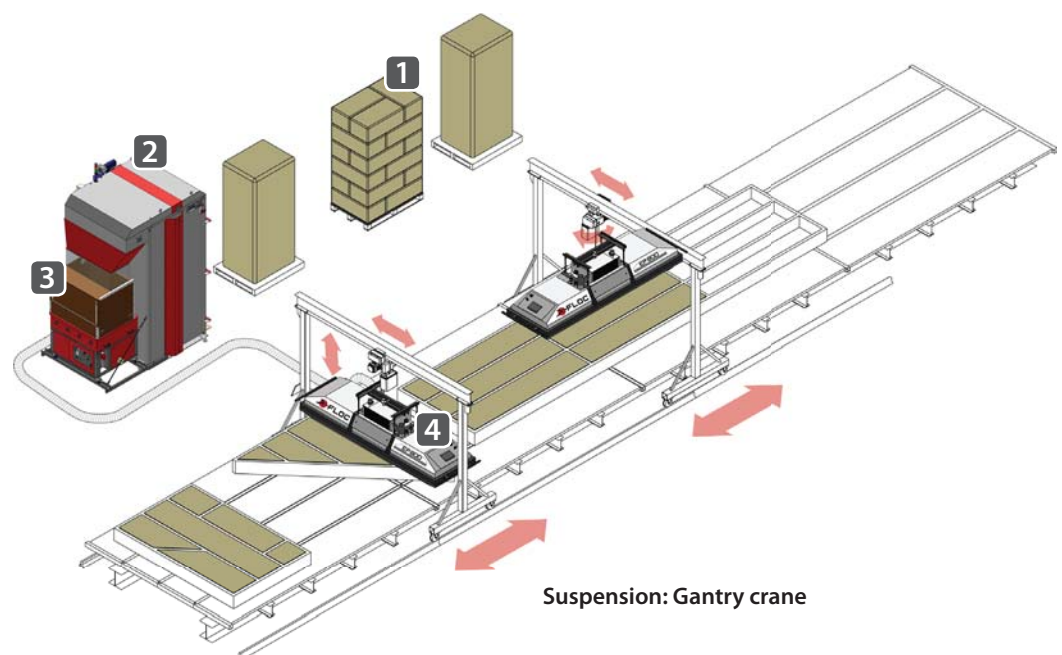
* As an option, the EP800 can be upgraded with the VS40 and all variants can also be equipped with a VS55M/VS75M.



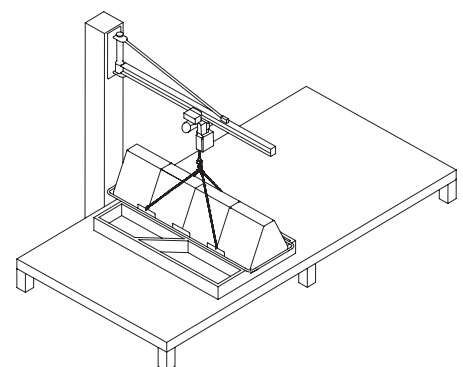
Visibly high quality

The X-Floc factory filling system is designed for the integration into existing and new production lines. Injections panels equipped with several nozzles allow the simultaneous filling of timber frame elements of any cavity size and the system component for storing and preparing large bales ensures that the insulation material is inserted quickly and without interruption.

- 1 Blow-in insulation material
- 2 Bale conditioning machine (big bale bunker or shredder)
- 3 Insulation blow-in machine
- 4 Injection panel



Suspension: Multifunctional bridge

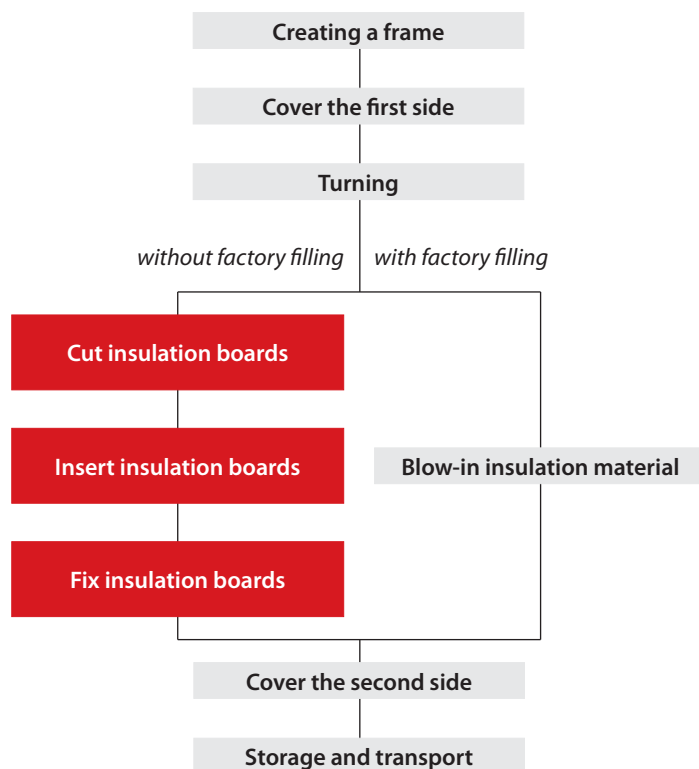


Suspension: Slewing crane

The wooden frame elements are filled in the factory with great precision using an injection panel, which is connected via a crane system or a bridge solution that matches the desired degree of automation. The insulation material neither dusts nor trickles. The result of the blow-in process – a seamless and diffusion-open insulation layer without thermal bridges – can be checked visually during the industrial factory filling process.



Prefabrication of timber frame elements



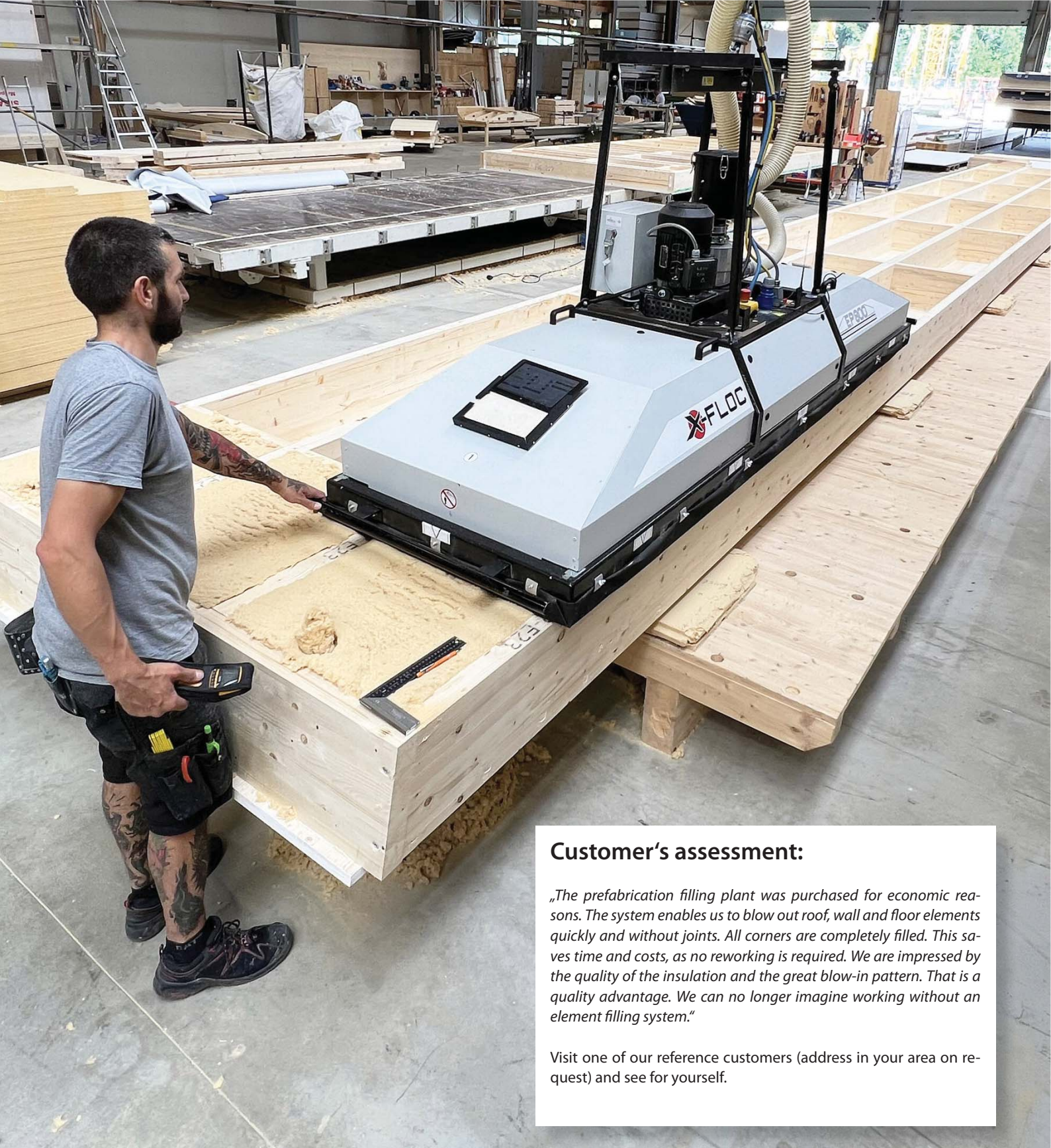
Insulation method with maximum benefit

Modern prefabricated timber houses are characterised by a good ecological balance and a pleasant living climate. Insulation without thermal bridges reinforces both aspects and, especially when natural insulating materials such as wood fibre and cellulose are used, blow-in insulation offers both ecological and economic advantages.

Blow-in insulation is suitable for the clean filling of any building component and all cavities. There is no need to cut and install insulation boards. There is no waste or hazardous waste to dispose of and only one work step is required for all insulation thicknesses. The increasing transfer of insulation processes from the construction site to the factory allows timber construction companies in particular to significantly increase efficiency.

X-Floc factory filling systems have a modular design and can also be integrated into existing production lines. The systems are easy to operate and allow fast, uninterrupted filling of the timber frame elements with minimal labour costs. Consistently strong and reproducible insulation results are achieved using industrial filling technology.

X-Floc Dämmtechnik Maschinen GmbH offers industrial filling technology from a single source as well as competent and personalised advice, so please contact us to discuss which system components, which structure and which of the numerous options are best suited to your business. We will be happy to advise you.



Customer's assessment:

„The prefabrication filling plant was purchased for economic reasons. The system enables us to blow out roof, wall and floor elements quickly and without joints. All corners are completely filled. This saves time and costs, as no reworking is required. We are impressed by the quality of the insulation and the great blow-in pattern. That is a quality advantage. We can no longer imagine working without an element filling system.“

Visit one of our reference customers (address in your area on request) and see for yourself.

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Your X-Floc representative



Delivery list

Updated last: 20.03.2024



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Delivery list with illustrations

Last updated: 20.03.2024

Page 1

01	Machines	Machines, Amplifyer, Generators, Options	
EM100-230V/2,0kW compact insulation blowing machine			Art. 3550



Klick me! (Image similar)

Compact insulation blowing machine for processing cellulose, loose insulation and bulkware

Technical details:

Power supply: 230V / 50Hz / 10-16A (special version 110V on request)

Hopper volume: approx. 150 L

Voltage indicator: on electrical switchboard

Throughput: up to approx. 320 kg/h (max.) cellulose insulation, fiberglass: 75 kg/h

Air feed unit: radial fan (Pmax = 250mbar)

Air flow (nominal/gauged): 220/190m³/h

Dimensions: approx. 1300 x 600 x 500 (H x W x L)

Weight: appr. 117kg

Scope of delivery:

- EM100 Insulation blowing machine incl. Voltage indicator
- Power adapter 230V (L=10m)
- Cable remote control with 25m control cable
- Operating instructions

Advantages:

- Modular and easy to maintain electronics with standard components
- CE compliant
- One year warranty (except wearing parts)
- Detailed operating instructions in the respective language
- Amplified blower with increased lifetime
- Durable polyurethane rubber sealings
- Good material conditioning for open-blowing
- Voltage indicator included
- Can be ordered ready for use with radio remote control
- High-quality air filter, washable, easy to clean

Optional accessories:

- Socket spanner NW13 (prod. No. 832)
- Case for small parts (prod. No. 104)
- Radio remote control FFB500, bidirectional (prod. No. 6708)
- Pressure gauge, D=117mm (prod. No. 7079)
- S shaped hook, aluminium (prod. No. 4367)
- Sack support (prod. No. 4714)

[EM 320-2x230V-7,0kW High-powered compact insulation blowing machine](#)

Art. 5760



Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m³ packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. Three high-powered radial fans

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01	Machines	Machines, Amplifier, Generators, Options
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generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with two 230V-/16A electrical connections. If only one 230V connection is available, the machine can be operated with reduced air power. For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1050kg/h (based on cellulose), depending on application, material and delivery
 - Hopper volume: 0,315 m³
 - Dimensions: 990 x 830 x 1740 (L x W x H)
 - Empty weight: 257 kg
 - Filling height: 1250 mm
 - Conditioning: 3x shafts, 1x shredding shaft
 - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
 - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
 - Electrical connection: 2x 230V/50Hz (+/- 5%), operation with 1x 230V/50Hz possible with reduced air power, each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
 - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
 - Power rating: 7,0kW
 - Blower: 3x high-powered radial fans with 5,1kW total power
 - Conveying pressure: max. 360mbar
 - Air flow (nominal/gauged): 590/480m³/h
 - Airlock volume: 18,5 L
 - Outlet: NW75 (3") (direct reduction to NW63 (2 1/2") or NW50 (2") possible)
 - Airlock chamber ventilation for optimal processing throughputs
 - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank device, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner, 2x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. No. 7448)
- Direct extension NW75>90 (3">3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Mains voltage display for 230V connection (prod. No. 4604, up to 2 pieces)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. No. 5246)
- 400V CEE / 3x 230V earthed power distribution cube (with connection cable) (prod. No. 9481)
- EM3XX: Fastening element set for blowing machine (prod. No. 10372)
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

EM 325-3x230V-10,2kW High-powered compact insulation blowing machine**Art. 6971**

Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m³ packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. Three and two additional high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with three 230V-/16A electrical connections. If only one or two 230V connections are available, the machine can be operated with reduced air power. For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1250kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,315 m³
- Dimensions: 990 x 830 x 1740 (L x W x H)
- Empty weight: 270kg
- Filling height: 1250 mm
- Conditioning: 3x shafts, 1x shredding shaft
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 3x 230V/50Hz (+/- 5%), operation with 1x 230V/50Hz (minimum operation mode) and 2x 230V/50Hz possible with reduced air power, each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 10,2kW

Delivery list with illustrations

Last updated: 20.03.2024

Page 3

01	Machines	Machines, Amplifier, Generators, Options
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- Blower: 5x high-powered radial fans with 8,25 kW total power
- Main blowers 1 + 2 (each 1,8 kW): controllable via speed controller
- Main blower 3 (1,45 kW): not controllable via speed controller (booster)
- Amplifier blowers: blower 4 (1,8 kW) and blower 5 (1,4 kW) both controllable via speed controller
- Conveying pressure: max. 375 mbar
- Air flow (nominal/gauged): 995/765 m³/h
- Airlock volume: 18.5 L
- Outlet airlock: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Outlet amplifier: NW63 (2½")
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank device, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 3x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, connection set for amplifier blowers (hoses, Y-piece, clamps), machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. No. 7448)
- Direct extension NW75>90 (3"→3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Mains voltage display for 230V connection (prod. No. 4604, up to 3 pieces)
- Accessory set for loose insulation material NW75/63 (3"1/2, 5") (nonabrasive, prod. No. 5246)
- 400V CEE / 3x 230V earthed power distribution cube (with connection cable) (prod. No. 9481)
- EM3XX: Fastening element set for blowing machine (prod. No. 10372)
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

EM 340-400V-7.3kW High-powered compact insulation blowing machine**Art. 5770**

Klick-mel! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m³ packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. Three high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with a 400V/16A three-phase power connection (CEKON). For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1200kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,315 m³
- Dimensions: 990 x 830 x 1740 (L x W x H)
- Empty weight: 265kg
- Filling height: 1250 mm
- Conditioning: 3x shafts, 1x shredding shaft
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/50Hz/3x16A-PE (+/- 5%), each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 7,3 kW
- Blower: 3x high-powered radial fans with 5,4 kW total power
- Conveying pressure: max. 405 mbar
- Air flow (nominal/gauged): 585/500 m³/h
- Airlock volume: 18.5 L
- Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank device, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 400V/10m power cable (earthed-CEE), 1x 50m control cable ring PUR, approx. 2m NW90 air

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suction hose, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- EM340: Additional option for blower 3, controllable via speed controller (prod.-no. 7730)
- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. No. 6356)
- Direct extension NW75>90 (3" > 3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. No. 5246)
- EM3XX: Fastening element set for blowing machine (prod. No. 10372)
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

Power supply options:

- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. No. 4553)
- Power adaptor 400V, 25m ring (prod. No. 2492)

At on-site feeding point with a 32A connection:

- Power adaptor socket strip 400V / 32A > 2x400V / 16A (prod. No. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. No. 7274)

EM 345-400V/10,5kW High-powered compact insulation blowing machine**Art. 7129**

Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m³ packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. Three and two additional high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/16A three-phase power connection (CEKON) and one 230V power connection. For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1400kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,315 m³
- Dimensions: 990 x 830 x 1740 (L x W x H)
- Empty weight: 273kg
- Filling height: 1250 mm
- Conditioning: 3x shafts, 1x shredding shaft
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/ 50Hz/16A (+/- 5%) and 1x 230V~/16 A each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 10,5 kW
- Blower: 5x high-powered radial fans with 8,5 kW total power
- Main blowers 1 + 2 (each 1,8 kW): controllable via speed controller
- Main blower 3 (1,8 kW): not controllable via speed controller (booster)
- Amplifier blowers: blower 4 (1,8 kW) and blower 5 (1,4 kW) both controllable via speed controller
- Conveying pressure: max. 400 mbar
- Air flow (nominal/gauged): 960/785 m³/h
- Airlock volume: 18.5 L
- Outlet airlock: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Outlet amplifier: NW63 (2½")
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank device, 1x pressure gauge, 1x control cabinet key, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 400V/10m power cable (earthed-CEE), 1x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, connection set for amplifier blowers (hoses, Y-piece, clamps), machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. No. 6356)
- Direct extension NW75>90 (3" > 3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- 400V phase- and neutral conductor monitor with cut-out protective system (prod. No. 4553)
- EM3XX: Fastening element set for blowing machine (prod. No. 10372)

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01 Machines, Amplifyer, Generators, Options

- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

EM 360-400V/5.9kW High-powered compact insulation blowing machine**Art. 6007**

Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m³ packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. A 3-stage turbine generates the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with a 400V/16A three-phase power connection (CEKON). For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1200kg/h (based on cellulose), depending on application, material and delivery
 - Hopper volume: 0,315 m³
 - Dimensions: 990 x 830 x 1740 (L x W x H)
 - Empty weight: 280 kg
 - Filling height: 1250 mm
 - Conditioning: 3x shafts, 1x shredding shaft
 - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
 - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
 - Electrical connection: 1x 400V/50Hz/3x16A-PE (+/- 5%), each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
 - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
 - Power rating: 5,9 kW
 - Blower: 1x 3-stage turbine, 4,0 kW
 - Conveying pressure: max. 400 mbar
 - Air flow (nominal/gauged): 380/375 m³/h
 - Airlock volume: 18.5 L
 - Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
 - Airlock chamber ventilation for optimal processing throughputs
 - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank device, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 400V/10m power cable (earthed-CEE), 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. No. 6356)
- Direct extension NW75>90 (3">3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- EM3XX: Fastening element set for blowing machine (prod. No. 10372)
- Accessory set for loose insulation material NW75/63
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

Power supply options:

- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. No. 4553)
- Power adaptor 400V, 25m ring (prod. No. 2492)

At on-site feeding point with a 32A connection:

- Power adaptor socket strip 400V / 32A > 2x400V / 16A (prod. No. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. No. 7274)

EM 365-400V/9.2kW High-powered compact insulation blowing machine**Art. 6268**

Klick me! (Image similar)

Heavy duty compact insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The innovative 2-stage material conditioning unit with the three shafts and an additional shredding shaft can easily break up and finely shred highly compacted processing materials (max. 220kg/m³ packing density). The material flow volume can be set by the airlock feed gate's position and the airlock rotor's rotational speed. A 3-stage turbine and two additional high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/16A three-phase power connection (CEKON) and one 230V power connection. For more information, see product data sheet.

01	Machines	Machines, Amplifyer, Generators, Options
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Technical details:

- Power/material throughput: up to 1400kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,315 m³
- Dimensions: 990 x 830 x 1740 (L x W x H)
- Empty weight: 302kg
- Filling height: 1250 mm
- Conditioning: 3x shafts, 1x shredding shaft
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/ 50Hz/16A (+/- 5%) and 1x 230V~/16 A each with 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 9,2 kW
- Blower: 1x 3-stage turbine 4,0 kW and 2x high-powered radial fans with 3,3 kW total power
- Conveying pressure: max. 420 mbar
- Air flow (nominal/gauged): 795/660 m³/h
- Airlock volume: 18.5 L
- Outlet airlock: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Outlet amplifier: NW63 (2½")
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank device, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW13/10, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 400V/10m power cable (earthed-CEE), 1x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, connection set for amplifier blowers (hoses, Y-piece, clamps), machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Additional option airlock feed gate controllable via remote (prod. No. 7449)
- Direct extension NW75>90 (3"→3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"/2,5") (nonabrasive, prod. No. 5246)
- Mains voltage display for 230V connection (prod. No. 4604)
- EM3XX: Fastening element set for blowing machine (prod. No. 10372)
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

Power supply options:

- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. No. 4553)
- Power adaptor 400V, 25m ring (prod. No. 2492)

At on-site feeding point with a 32A connection:

- Power adaptor socket strip 400V / 32A > 2x400V / 16A (prod. No. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. No. 7274)

EM 400-400V/7.5kW High-powered insulation blowing machine**Art. 3316**

Klick mel! (Image similar)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

Important features:

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m³ packing density). The material flow volume can be conveniently selected via the cable or radio remote control (optional) in approx. 20 levels by positioning the electric airlock feed gate. A 5- stage, specially developed high powered turbine (5.5kW) generates the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V~/16A power connection. For more information, see product data sheet.

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Optimized version from 05/2020 included in standard scope of delivery:

- Revised breaking unit: Increased crushing capacity due to serrated crushing elements inserted at an angle for better space coverage
- Improved filling attachment: Highly increased storage volume due to optimized bag deposit, which usually allows the insertion of bagged goods in longitudinal direction
- Optimized turbine performance: Optimized impellers and stators increase the air flow and back pressure, resulting in higher efficiency due to lower power loss.

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Optimized version from 05/2020 included in standard scope of delivery:

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- Revised breaking unit: Increased crushing capacity due to serrated crushing elements inserted at an angle for better space coverage
- Improved filling attachment: Highly increased storage volume due to optimized bag deposit, which usually allows the insertion of bagged goods in longitudinal direction
- +++++
- Technical details:
- Power/material throughput: up to 2.210 kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 1,0 m³
- Dimensions: 1300 x 1020 x 1800 (L x W x H)
- Empty weight: 410 kg
- Filling height: 1260 mm
- Conditioning: 4x shredding shafts, 1x shredder
- Material setting: controllable via control by setting the electrical airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400 V/50 Hz/3x16A/N/PE (+/- 5%) (fuse protection Automat C or safety fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 7,5 kW
- Blower: 1x 5-stage turbine 5,5 kW, Pmax. 500 mbar
- Air flow volume: 100-430 m³/h
- Conveying pressure: max. 520 mbar
- Air flow (nominal/gauged): 450/410 m³/h
- Airlock volume: 20 L
- Outlet: NW90 (3 1/2") (direct reduction to NW75 (3") optional)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
- 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x double open-ended spanner, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x reducer piece 90>76 with O-ring, 1x 400V/10m power cable (earthed-CEE), 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Optional add-on AE - blow-off unit (prod. No. 4038)
- Optional add-on DS - Adjustable airlock rotation speed (prod. No. 5060)
- Additional option hopper top piece V=0,914m³ (prod. No. 8522)
- Mounting foot (prod. No. 5301) or Mounting elements for blowing machine (prod. No. 7294) or Forklift shoes for trailer mounting (prod. No. 10742)
- Intake socket 90° NW90 (prod. No. 5613)
- Direct reducer piece NW90>75 (3 1/2">3") (EM4XX-NW90 after year 06/2018) (Prod. No. 8936)
- Accessories set NW75/63 for loose-fill insulation (nonabrasive) (prod. No. 5246)
- 400V phase- and neutral conductor monitor with cut-out protective system (prod. No. 4553)
- Reducer tube PE 90>76 with O-Ring (prod. No. 5145)
- Airlock orifice for finer dosing (prod. No. 11216)
- For more accessories, see price list / available on request

EM 430-400V/9.9kW High-powered insulation blowing machine**Art. 5802**

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

Important features:

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m³ packing density). The material flow volume can be conveniently selected via the cable or radio remote control (optional) in approx. 20 levels by positioning the electric airlock feed gate. A 5-stage, specially developed high powered turbine (7.5 kW) generates the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V~/16A power connection. For more information, see product data sheet.

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Optimized version from 05/2020 included in standard scope of delivery:

- Revised breaking unit: Increased crushing capacity due to serrated crushing elements inserted at an angle for better space coverage
- Improved filling attachment: Highly increased storage volume due to optimized bag deposit, which usually allows the insertion of bagged goods in longitudinal direction
- Optimized turbine performance: Optimized impellers and stators increase the air flow and back pressure, resulting in higher efficiency due to lower power loss.

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Technical details:

- Power/material throughput: up to 2.400 kg/h (based on cellulose), depending on application, material and delivery

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- Hopper volume: 1,0 m³
 - Dimensions: 1300 x 1020 x 1800 (L x W x H)
 - Empty weight: 417kg
 - Filling height: 1260 mm
 - Conditioning: 4x shredding shafts, 1x shredder
 - Material setting: controllable via control by setting the electrical airlock feed gate
 - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
 - Electrical connection: 1x 400 V/50 Hz/3x16A/N/PE (+/- 5%) (fuse protection Automat C or safety fuse)
 - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
 - Power rating: 9,9kW
 - Blower: 1x 5-stage turbine 7,5 kW
 - Conveying pressure: max. 680 mbar
 - Air flow (nominal/gauged): 490/420 m³/h
 - Airlock volume: 20 L
 - Outlet: NW90 (3 1/2") (direct reduction to NW75 (3") optional)
 - Airlock chamber ventilation for optimal processing throughputs
 - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x double open-ended spanner, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x reducer piece 90>76 with O-ring, 1x 400V/10m power cable (earthed-CEE), 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Optional add-on AE - blow-off unit (prod. No. 4038)
- Optional add-on DS - Adjustable airlock rotation speed (prod. No. 5060)
- Additional option hopper top piece V=0,914m³ (prod. No. 8522)
- Mounting foot (prod. No. 5301) or Mounting elements for blowing machine (prod. No. 7294) or Forklift shoes for trailer mounting (prod. No. 10742)
- Intake socket 90° NW90 (prod. No. 5613)
- Direct reducer piece NW90>75 (3½>3") (EM4XX-NW90 after year 06/2018) (Prod. No. 8936)
- Accessories set NW75/63 for loose-fill insulation (nonabrasive) (prod. No. 5246)
- 400V phase- and neutral conductor monitor with cut-out protective system (prod. No. 4553)
- Additional package for integrating the insulation blowing machine into a factory filling system (Prod. No. 8615)
- Reducer tube PE 90>76 with O-Ring (prod. No. 5145)
- Airlock orifice for finer dosing (prod. No. 11216)
- For more accessories, see price list / available on request

EM 440-2x400V/11.4kW High-powered insulation blowing machine**Art. 11047**

Klick me! (Image similar)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

Important features:

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m³ packing density). The material flow volume can be conveniently selected via the cable or radio remote control (optional) in approx. 20 levels by positioning the electric airlock feed gate. A 5-stage, specially developed high powered turbine (5.5kW) and two additional high performance radial compressors for amplification generate the required air power effortlessly. For optimum cooling, the amplifier blowers suck in their cooling air from an external source. The engine room is actively cooled with ambient air with a fan in every operating condition. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with two 400V~/16A power connections. For more information, see product data sheet.

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Optimized version since 05/2020 included in standard scope of delivery:

- Revised breaking unit: Increased crushing capacity due to serrated crushing elements inserted at an angle for better space coverage
- Improved filling attachment: Highly increased storage volume due to optimized bag deposit, which usually allows the insertion of bagged goods in longitudinal direction
- Optimized turbine performance: Optimized impellers and stators increase the air flow and back pressure, resulting in higher efficiency due to lower power loss.

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Technical details:

- Power/material throughput: up to 2.300 kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 1,0 m³
- Dimensions: 1300 x 1020 x 1800 (L x W x H)
- Empty weight: 424kg
- Filling height: 1260 mm
- Conditioning: 4x shredding shafts, 1x shredder

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- Material setting: controllable via control by setting the electrical airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 2x 400V/ 50Hz/16A (+/- 5%) (B or C automatic or slow-blow screw fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 11,4 kW
- Blower: 5-stage high-powered turbine 5,5 kW, High-powered radial fans 2x 1,8 kW
- Conveying pressure: max. 480 mbar
- Air flow (nominal/gauged): 850/710 m³/h
- Airlock volume: 20 L
- Outlet: NW90 (3 1/2") (direct reduction to NW75 (3") optional)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x double open-ended spanner, 1x hose clamp NW90, 1x quick-connect clamp NW75, 2x 400V/10m power cable, 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, approx. 2m NW75 air suction hose, 1x connection set for amplifier (hoses, clamps, Y-piece) machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Optional add-on AE - blow-off unit (prod. No. 4038)
- Optional add-on DS - Adjustable airlock rotation speed (prod. No. 5060)
- Additional option hopper top piece V=0,914m³ (prod. No. 8522)
- Mounting foot (prod. No. 5301) or Mounting elements for blowing machine (prod. No. 7294) or Forklift shoes for trailer mounting (prod. No. 10742)
- Intake socket 90° NW90 (prod. No. 5613)
- Intake socket 90° NW75 (prod. No. 5614)
- Direct reducer piece NW90>75 (3½>3") (EM4XX-NW90 after year 06/2018) (Prod. No. 8936)
- Accessories set NW75/63 for loose-fill insulation (nonabrasive) (prod. No. 5246)
- Reducer tube PE 90>76 with O-Ring (prod. No. 5145)
- Airlock orifice for finer dosing (prod. No. 11216)
- For more accessories, see price list / available on request

Power supply options:

- 400V phase- and neutral conductor monitor with cut-out protective system (prod. No. 4553)
- P400V power adapter, 25m coil (prod. No. 2492)

At on-site feeding point with a 32A connection:

- Net adaptor 400V / 32A > 2x400V / 16A (prod. No. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. No. 7274)

EM 440-3x230V/10.0kW High-powered insulation blowing machine**Art. 6253**

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

Important features:

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m³ packing density). The material flow volume can be conveniently selected via the cable or radio remote control (optional) in approx. 20 levels by positioning the electric airlock feed gate. The three primary and two additional high performance radial compressors generate the required air power effortlessly. For optimum cooling, the amplifier blowers suck in their cooling air from an external source. The engine room is actively cooled with ambient air with a fan in every operating condition. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with three 230V~/16A power connections. For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 2.250 kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 1,0 m³
- Dimensions: 1300 x 1020 x 1800 (L x W x H)
- Empty weight: 460 kg
- Filling height: 1260 mm
- Conditioning: 4x shredding shafts, 1x shredder
- Material setting: controllable via control by setting the electrical airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 3x 230V/50 Hz/16A (full load) (+/- 5%), operation with 2x 230V/50 Hz/16A or 1x 230V/50 Hz/16A at reduced air power possible
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 10,0 kW

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- Blower: 5x high-powered radial fans (2x 1,8 kW, 3x 1,45 kW)
 - Conveying pressure: max. 420 mbar
 - Air flow (nominal/gauged): 975/850 m³/h
 - Airlock volume: 20 L
 - Outlet: NW90 (3 1/2") (direct reduction to NW75 (3") optional)
 - Airlock chamber ventilation for optimal processing throughputs
 - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x double open-ended spanner, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x belt tension measuring device, 3x 230V/10m power cable, 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, approx. 2m NW75 air suction hose, 1x connection set for amplifier (hoses, clamps, Y-piece) machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Optional add-on AE - blow-off unit (EM440-3x230V/10.0kW only) (prod. No. 6526, obligatory)
- Optional add-on DS - Adjustable airlock rotation speed (prod. No. 5060)
- Additional option hopper top piece V=0,914m³ (prod. No. 8522)
- Mounting foot (prod. No. 5301) or Mounting elements for blowing machine (prod. No. 7294) or Forklift shoes for trailer mounting (prod. No. 10742)
- Intake socket 90° NW90 (prod. No. 5613)
- Intake socket 90° NW75 (prod. No. 5614)
- Direct reducer piece NW90>75 (3½>3") (EM4XX-NW90 after year 06/2018) (Prod. No. 8936)
- Accessories set NW75/63 for loose-fill insulation (nonabrasive) (prod. No. 5246)
- Mains voltage display (prod. No. 4604, up to 3 pieces)
- 400V CEE / 3x 230V earthed power distribution cube (with connection cable) (prod. No. 9481)
- Reducer tube PE 90>76 with O-Ring (prod. No. 5145)
- Airlock orifice for finer dosing (prod. No. 11216)
- For more accessories, see price list / available on request

EM 440-400V/11,1kW High-powered insulation blowing machine**Art. 4662**

Klick me! (Image similar)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

Important features:

The 2-stage material conditioning unit, consisting of four shredding shafts and one shredder, can easily break up and finely shred highly compacted processing materials (max. 200kg/m³ packing density). The material flow volume can be conveniently selected via the cable or radio remote control (optional) in approx. 20 levels by positioning the electric airlock feed gate. A 5-stage, specially developed high powered turbine (5.5kW) and two additional high performance radial compressors for amplification generate the required air power effortlessly. For optimum cooling, the amplifier blowers suck in their cooling air from an external source. The engine room is actively cooled with ambient air with a fan in every operating condition. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V~/16A power connection and one 230V~/16A power connection. For more information, see product data sheet.

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Optimized version from 05/2020 included in standard scope of delivery:

- Revised breaking unit: Increased crushing capacity due to serrated crushing elements inserted at an angle for better space coverage
- Improved filling attachment: Highly increased storage volume due to optimized bag deposit, which usually allows the insertion of bagged goods in longitudinal direction
- Optimized turbine performance: Optimized impellers and stators increase the air flow and back pressure, resulting in higher efficiency due to lower power loss.

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Technical details:

- Power/material throughput: up to 2.300 kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 1,0 m³
- Dimensions: 1300 x 1020 x 1800 (L x W x H)
- Empty weight: 424kg
- Filling height: 1260 mm
- Conditioning: 4x shredding shafts, 1x shredder
- Material setting: controllable via control by setting the electrical airlock feed gate
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/ 50Hz/16A (+/- 5%) and 1x 230V~/16 A (B or C automatic or slow-blow screw fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 11,1kW
- Blower: 5-stage high-powered turbine 5,5 kW, High-powered radial fans 1x 1,8kW and 1x 1,45kW
- Conveying pressure: max. 580 mbar

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- Air flow (nominal/gauged): 800/650 m³/h
 - Airlock volume: 20 L
 - Outlet: NW90 (3 1/2") (direct reduction to NW75 (3") optional)
 - Airlock chamber ventilation for optimal processing throughputs
 - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, machine top with foldable support and dust-reducing attachment
- Basic machine set, consisting of:
1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x double open-ended spanner, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x 400V/10m power cable, 1x 230V/10m power cable, 1x 50m control cable ring PUR, approx. 2m NW90 air suction hose, approx. 2m NW75 air suction hose, 1x connection set for amplifier (hoses, clamps, Y-piece) machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Optional add-on AE - blow-off unit (prod. No. 4038)
- Optional add-on DS - Adjustable airlock rotation speed (prod. No. 5060)
- Additional option hopper top piece V=0,914m³ (prod. No. 8522)
- Mounting foot (prod. No. 5301) or Mounting elements for blowing machine (prod. No. 7294) or Forklift shoes for trailer mounting (prod. No. 10742)
- Intake socket 90° NW90 (prod. No. 5613)
- Intake socket 90° NW75 (prod. No. 5614)
- Direct reducer piece NW90>75 (3½>3") (EM4XX-NW90 after year 06/2018) (Prod. No. 8936)
- Accessories set NW75/63 for loose-fill insulation (nonabrasive) (prod. No. 5246)
- Mains voltage display (prod. No. 4604)
- Variant 10,8kW (prod. No. 8126)
- Reducer tube PE 90>76 with O-Ring (prod. No. 5145)
- Airlock orifice for finer dosing (prod. No. 11216)
- For more accessories, see price list / available on request

Power supply options:

- 400V phase- and neutral conductor monitor with cut-out protective system (prod. No. 4553)
- P400V power adapter, 25m coil (prod. No. 2492)

At on-site feeding point with a 32A connection:

- Net adaptor 400V / 32A > 2x400V / 16A (prod. No. 7273)
- Power adaptor 400V/32A, 10m ring, CEE (prod. No. 7274)

EM 500-400V-9.5kW High-powered insulation blowing machine**Art. 4817**

Klick me! (Image similar)

Heavy duty insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, rock wool and many more professionally. Due to its design, the machine is ideally suited for both stationary plant use and mobile use on-site.

Important features:

Different than conventional insulation blowing machines, the processing material will be fed into the machine at table height and transported with a conveyor belt to the conditioning unit. The 3-stage material conditioning unit, consisting of one shredder and two shredding shafts, can easily break up and finely shred highly compacted processing materials (max. 175kg/m³ packing density). The material flow volume can be set by the airlock feed gate's position. A high-powered turbine generates the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/3x16A power connections. For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1800kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,4 m³
- Dimensions: 1520 x 800 x 1300 (L x W x H)
- Empty weight: 390 kg
- Filling height: 860 mm
- Conditioning: 2x shredding shafts, 1x shredder
- Material setting: controllable via control by setting the electrical airlock feed gate or via the airlock's rotational speed (DS-option)
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/50 Hz/3x16A/N/PE (+/- 5%) (electrical fuse Automat B or C or slow screw-in fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 9,5 kW
- Blower: high-powered turbine 7,5 kW
- Conveying pressure: max. 500 mbar
- Air flow (nominal/gauged): 490/450 m³/h
- Airlock volume: 36 L
- Outlet: NW75 (3") (direct reduction to NW63 (2½") or NW50 (2") possible)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct

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(All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base, foldable machine top with dust curtain and dust-reducing connection, feed table
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x crank tool, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner NW13, 1x open-ended spanner NW24, 1x socket spanner NW13, 1x silicone spray, 1x hose clamp NW90, 1x quick-connect clamp NW75, 1x belt tension measuring device, 1x 400V/10m power cable (CEKON), 1x control cable on reel 50m, approx. 2m NW90 air suction hose, 1x reducer piece PE 90>76 with O-ring, machine folder incl. operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Radio remote control FFB2000 -Pro instead of cable remote control (prod. no. 5243 or 5154)
- Additional option AE - blow-off unit (prod. no. 4038)
- Additional option DS - adjustable airlock rotation speed (prod. no. 5060)
- Mounting foot (prod. no. 5301)
- Intake socket 90° NW90 (prod. no. 5613)
- Direct extension NW75>90 (3"=3,5") (prod. no. 6746, conveyor line NW90 (3,5") necessary)
- Accessory set for loose insulation material NW75/63 (3"1/2,5") (nonabrasive, prod. no. 5246)
- Accessory set for loose insulation material NW75/63/50 (3"1/2,5"1/2") (nonabrasive, prod. no. 5737)
- 400V phase adaptor and neutral conductor monitor with cut-out protective system (prod. no. 4553)
- Insulation blowing tools (various prod. no.)
- For more accessories, see price list / available on request

EM4XX: Additional option hopper top piece V=0,914m³**Art. 8522**

Klick me! (Image similar)

Hopper top piece with increased storage volume, suitable for the EM4XX series.

Increasing of the storage volume from approx. 0,72m³ (standard) to approx. 0,914m³. Hopper top piece incl. sack support, locking, removable top cover, edge protection profiles

Technical details:

- Hopper volume: 0,914m³
- Dimensions: 1284 x 950 x 907 (L x W x H)
- Empty weight: 65 kg

(All values are approximate)

EMX250 Special insulation blowing machine**Art. 4679**

Klick me! (Image similar)

Compact insulation blowing machine for processing certified insulation materials, e.g. rock wool, mineral wool, glass wool, wood chips, hemp hurds, cellulose and others. Due to its design, the machine is ideally suited for mobile use on-site.

Important features:

The 2-stage material conditioning unit, consisting of one screw conveyor and one shredding shaft, can easily break up and finely shred compacted processing materials. Two high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by radio remote control. The machine is equipped with two 230V/10-16A power connections. For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 500 kg/h (based on cellulose), depending on application, material and delivery
- Hopper volume: 0,26 m³ (with wooden top piece), 0,15 m³ (without wooden top piece)
- Dimensions: 1200 x 600 x 1750 (L x W x H)
- Empty weight: 240 kg
- Filling height: 1630 mm (with wooden top piece), 1370 mm (without wooden top piece)
- Conditioning: 1x screw conveyor, 1x shredding shaft
- Material volume: adjustable, speed regulator screw conveyor (electrical switchboard)
- Machine control: radio remote control FFB500, material ON, air ON, OFF, setting switching on/off-delay times, key lock, battery status display
- Electrical connection: 2x 230V/50 Hz/10-16A/PE (+/- 5%)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 4,2 kW
- Blower: 2x high-powered radial fans 2x 1,45 kW
- Air volume: adjustable, blower regulator (electrical switchboard)
- Conveying pressure: max. 310 mbar
- Air flow (nominal/gauged): 440/370 m³/h
- Outlet: NW63 (2½") (direct reduction to NW50 (2") possible)
- Airlock chamber ventilation for optimal processing throughputs

(All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base on wheels, machine top with hopper storage top piece and foldable sack support
- Basic machine set, consisting of:
 - 1x small-parts case with 1x radio remote control FFB500, 1x control cabinet key, 1x socket spanner NW13, 1x silicone spray, 2x power adapter 230V 10m ring, approx. 2m NW75 air suction hose, 1x reducer tube 63>50, machine folder incl. operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- Insulation blowing tools (various prod. no.)

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- For accessories, see price list / available on request

EMX90 Insulation blowing machine for light bulk materials (standard)**Art. 5966**

Klick me! (Image similar)

Compact insulation blowing machine for processing light, free flowing bulk material based on the Venturi principle.

Technical Details:

- Power voltage 230V/10-16A or 110V/15 A (special design)
- Dimensions: approx. 1100x520x520 (HxLxW)
- Holding capacity: approx. 125l
- Weight: approx. 48kg
- Outlet D= approx. 32mm
- Blowing pressure: approx. 330mbar
- Air volume (nominal/gauged): approx. 220/200m³/h
- Rated power approx. 1,5kW

Delivery:

- Insulation blowing machine on 4 rolls with foldable cover
- Switch with ON and OFF function
- Operating instructions
- Net adaptor 230V (L=10m)

Advantages:

- Venturi principle without an airlock
- Conformity according to the CE
- Operating instructions in each country's language
- Amplified blower with increased lifetime
- Air filter made from high value material, washable

Options:

- Electric switchboard EMX90 (with control connection) (prod. no. 6250)
- KFB 3 - hand control (prod. no. 3821)
- KFB 30 - hand control (prod. no. 2459)
- Control extension cable L=50m on a reel (prod. no. 1882)
- FFB 400 - bidirectional remote control (prod. no. 4568)
- Conveyor hose NW32 smooth, L=20m (prod. no. 6142)

Minifant M99-230V/3.6kW-DS insulation blowing machine**Art. 3837**

Klick me! (Image similar)

Machine for processing loose insulation material approved by building regulations up to a packing density of approx. 155kg/m³ or loose bulkware up to 100kg/m³ bulk density. Authorised (CE) in all EU member states as well as in Switzerland.

Technical data:

- Hopper volume: approx. 0.26 m³
- Airlock outlet: NW75 (3")
- Conveying pressure: max. 325 mbar
- Air flow (nominal/gauged): 440/350 m³/h
- Volume of material flow adjustable with airlock slide gate
- Delivery rate: up to 650kg/h
- Blower power 1.4 kW + 1.4 kW
- Motor power: ca. 0.75 kW
- Total power: ca. 3.6 Kw
- Electrical connection: 220-240V~ / 50-60Hz , 16A or 10A with blower
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Dimensions: approx. 950mm x 1325mm (ØxH)
- Unladen weight: appr. 111kg
- Airlock material: steel powder coated / plastic

Scope of delivery:

Insulation blowing machine, 230V / 10m, 2.5 mm² connection cable, radio remote control FFB500 bidirectional and accessory case with the following:

- KFB3-8p hand-held control (prod. No. 7851)
- Control cabinet key
- Wrench SW24
- Hexagonal socket wrench SW13
- Pressure gauge with protective rubber cap
- Silicone spray
- Operating instructions
- double open-ended spanner SW 10x13

Serial no. M99G_____ (must be specified when placing order), operating hours: 2-6h (test run)

++++ G-Series ++++++

- Machine control socket Contact 8+1 with rotary lock catch

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Optional extras:

- Power generator XM4,5kW / 5,0kVA (prod. No. 9583)
- Power generator XM6,0kW / 6,7kVA (prod. No. 9584)
- Wrist carrying strap FFB500 L=26cm (prod. No. 7128)

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- Case for hand-held control (prod. No. 4716)
- Sports case for hand-held control (prod. No. 5016)
- Extension control cable L=25m (prod. No.2015)
- Extension control cable L=50m (prod. No.2166)
- Mains voltage display on the electrical switchboard (prod. No. 4604)
- Suction drum V=115L/V=250L for cleaning/vacuuming purposes (prod. No. 1160/3075)
- Support for bags (prod. No. 3474)
- Intake socket 90° NW75 (3") (prod. No. 5614)
- Material disturbing element to prevent bridging (prod. No. 6396)
- Direct reduction NW75>63 (M99) (prod. No. 8968)

Minifant M99-230V/3.6kW-DS-Pro Insulation blowing machine**Art. 5416**

Machine for processing certified loose insulation material up to a packing density of approx. 155kg/m³ or loose bulkware up to 100kg/m³ bulk density. Authorised (CE) in all EU member states as well as in Switzerland.

Technical data:

- Hopper volume: approx. 0.26 m³
- Airlock outlet: NW75 (3")
- Conveying pressure: max. 325 mbar
- Air flow (nominal/gauged): 440/350 m³/h
- Volume of material flow adjustable with remote control and with airlock slide gate
- Delivery rate: up to 650kg/h
- Blower power: 1.4 kW + 1.4 Kw
- Motor power: ca. 0.75 Kw
- Total power: ca. 3.6 Kw
- Electrical connection: 220-240V~ / 50-60Hz, 16A or 10A with blower
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Dimensions: approx. 950mm x 1325mm (ØxH)
- Unladen weight: approx. 111kg
- Material: Steel powder coated / plastic

Scope of delivery:

230V / 10m, 2.5 mm² connection cable, radio remote control FFB2000-Pro, control cable for backup operation and accessory case with the following:

- Control cabinet key
- Wrench SW24
- Hexagonal socket wrench SW13
- Pressure gauge with protective rubber cap
- Silicone spray
- Operating instructions
- Double open-ended spanner SW 10x13

Serial no. M99G_____ (must be specified when placing order), operating hours: 2-6h (test run)

++++ as from series F +++++

- Improved blower casing
- Fresh air input into machine possible with suction hose
- Easily cleanable filter mats
- Vacuuming possible in conjunction with suction drum (product no. 1160 or 3075)
- Pro special equipment: Material and air volume can be controlled using the FFB2000-Pro radio remote control, directly from the injection point. Dynamic pressure regulation allows for easy injection into pressure sensitive cavities.

++++ as from series F +++++

Optional extras:

- Power generator XM4,5kW / 5,0kVA (prod. No. 9583)
- Power generator XM6,0kW / 6,7kVA (prod. No. 9584)
- KFB3-8p hand-held control (prod. No. 7851)
- FFB500 radio remote control (prod. No. 6708)
- Extension control cable L=25m (prod. No.2015)
- Extension control cable L=50m (prod. No.2166)
- Mains voltage display on the electrical switchboard (prod. No. 4604)
- Suction drum V=115L/V=250L for cleaning/vacuuming purposes (prod. No. 1160/3075)
- Support for bags (prod. No. 3474)
- Intake socket 90° NW75 (3") (prod. No. 5614)
- Material disturbing element to prevent bridging (prod. No. 6396)
- Direct reduction NW75>63 (M99) (prod. No. 8968)

Minifant M99-230V/3.6kW-DS-Pro insulation blowing machine with 8 airlock chambers**Art. 7392**

Machine for processing certified loose insulation material up to a packing density of approx. 155kg/m³ or loose bulkware up to 100kg/m³ bulk density. Authorised (CE) in all EU member states as well as in Switzerland.

Technical data:

- Rotary airlock with 8 airlock chambers (optimized for an even material flow)
- Hopper volume: approx. 0.26m³
- Airlock outlet: NW75 (3")
- Conveying pressure: max. 325mbar
- Air flow (nominal/gauged): 440/350m³/h
- Volume of material flow adjustable with remote control and with airlock feed gate
- Delivery rate: up to 650kg/h

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- Blower power: 1.4kW + 1.4kW
- Motor power: ca. 0.75kW
- Total power: ca. 3.6kW
- Electrical connection: 230V~ / 50Hz, 16A or 230V~/50Hz 10A with blower
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Dimensions: approx. 950mm x 1325mm (ØxH)
- Unladen weight: approx. 111kg
- Material: Steel powder coated / plastic

Scope of delivery:

230V / 10m, 2.5 mm² connection cable, radio remote control FFB2000-Pro, control cable for backup operation and accessory case with the following:

- Control cabinet key
- Wrench SW24
- Hexagonal socket wrench SW13
- Pressure gauge with protective rubber cap
- Silicone spray
- Operating instructions

Serial no. M99G_____ (must be specified when placing order), operating hours: 2-6h (test run)

+++++ as from series F +++++

- Optimized blower casing
- Fresh air input into machine possible with suction hose
- Easily cleanable filter mats
- Vacuuming possible in conjunction with suction drum (product no. 1160 or 3075)
- Pro special equipment: Material and air volume can be controlled using the FFB2000-Pro radio remote control directly from the injection point. Dynamic pressure regulation allows an easy injection into pressure sensitive cavities.

+++++ as from series F +++++

Options:

- Power generator XM4,5kW / 5,0kVA (prod. No. 9583)
- Power generator XM6,0kW / 6,7kVA (prod. No. 9584)
- KFB3-8p Hand-held control (prod. No. 7851)
- FFB500 Radio remote control (prod. No. 6708)
- Extension control cable L=25m (prod. No.2015)
- Extension control cable L=50m (prod. No.2166)
- Mains voltage display on the electrical switchboard (prod. No. 4604)
- Suction drum V=115L/V=250L for cleaning/vacuuming purposes (prod. No. 1160/3075)
- Support for bags (prod. No. 3474)
- Intake socket 90° NW75 (3") (prod. No. 5614)
- Material disturbing element to prevent bridging (prod. No. 6396)
- Direct reduction NW75>63 (M99) (prod. No. 8968)

Generator XM11kVA/9,9kW Petrol (IP23)**Art. 10392**

Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers.



Klick me! (Image similiar)

Features:

- Electric starter with ignition key
- Voltage control (electronic)
- Clear and protected connection and control panel
- Operating hours counter
- Manually controllable throttle valve
- Air control
- Digital display: voltmeter, frequency meter, total hour meter, partial hour meter (resettable)
- (Alarm) signalling oil pressure (LED)
- Engine shuts down if insufficient oil is available
- Automatic fuse
- FI protection switch
- Central (crane) lifting eye
- Thermal protection switch for 230V / 16A socket protection
- Earth terminal
- Conforms to EU directives for noise and safety

Technical data:

- Power 1-phase LTP: 11kVA (9.9kW), 230V, 47.8A
- Power 1-phase PRP: 10kVA (9kW), 230V, 43.5A
- Connections:
 - 1x 230V/32A CEE
 - 1x 230V/16A CEE
 - 1x 230V/16A Schuko
- Motor speed: 3000 rpm
- Engine cooling: Air
- Fuel: petrol
- Tank capacity: 18 l
- Running time at 75% PRP: approx. 4.5h

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- Sound level: 99 db(A)
- Protection class: IP23
- Dimensions: 935 x 525 x 645 mm (L x W x H)
- Empty weight: approx. 145 kg

For example, suitable for the following machine types:

- EM100, EM100 + VS28, EM100 + VS33
- M99, M99 + VS28, M99 + VS33
- M99-DS, M99-DS + VS28, M99-DS + VS33
- M99-DS-Pro, M99-DS-Pro + VS28, M99-DS-Pro + VS33
- M95, M95 + VS28,
- M95-3x230V/5.1kW, M95-400V/5.5kW, M95-2x230V/6.6kW
- EM360

Optional accessories on request (selection):

- Power generator XM: Manual chassis (Art. no. 10395)
- Power generator XM: Lockable fuel tank cap (Art. no. 11424)
- Power generator XM: Earthing kit (Art. no. 11425)
- Power generator XM: Exhaust hose L=approx. 1m, complete (Art.-No. 10292)
- Mains adapter 400V/32A>400V/16A, with connection cable 1.5m (Art. no. 9115)
- Mains adapter, distributor 400V-CEE>1x 400V-CEE, 3x 230V-Schuko (with connection cable) (Art.-No.: 9482)
- Mains adapter, distributor 400V-CEE>3x 230V-Schuko (with connection cable) (Art.-No.: 9481)
- Mains adapter distributor socket strip 400V / 32A > 2x400V / 16A (Art. no.: 7273)

Power generator XM13kVA/10.4kW Petrol (IP23)**Art. 11129**

Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers.



Klick me! (Image similar)

Features:

- Electric starter with ignition key
- Voltage control (electronic)
- Sturdy frame with central lifting bracket
- Clear and protected connection and control panel
- Operating hours counter
- Manually controllable throttle valve
- Air control
- Digital multifunctional element
- Voltmeter
- Frequency
- Oil warning light (LED)
- Engine shutdown in case of insufficient oil quantity
- Automatic fuse
- Ground fault circuit interrupter
- Earth terminal
- Conforms to EU directives for noise and safety

Technical data:

- Power 3-phase LTP: 13kVA (10.4kW), 400V, 18.7A
- Power 3-phase PRP: 11.5kVA (9.2kW), 400V, 16.6A
- Power 1-phase PRP : 6kVA, 230V, 26A
- Connections:
- 1x 400V/32A CEE
- 2x 230V/16A CEE
- Motor speed: 3000 rpm
- Engine cooling: Air
- Fuel: petrol
- Tank capacity: 25 l
- Running time at 75% PRP: approx. 10.4h
- Measured sound level: 99 db(A)
- Guaranteed sound level: 96 db(A)
- Protection class: IP23
- Dimensions: 935 x 525 x 645 mm (L x W x H)
- Empty weight: approx. 142 kg

Beispielsweise geeignet für folgende Maschinentypen:

- EM100, EM100 + VS28, EM100 + VS33, EM100 + VS55M
- M99, M99 + VS28, M99 + VS33,
- M99-DS, M99-DS + VS28, M99-DS + VS33,
- M99-DS-Pro, M99-DS-Pro + VS28, M95-DS-Pro + VS33
- M95-230V, M95-230V + VS28, M95-230V + VS33,
- M95-2x230V, M95-400V, M95-400V, M95-400V
- EM 320-2x230V, EM 325-3x230V
- EM 340-400V, EM 345-400V+230V (u.v.)
- EM 360-400V, EM 365-400V+230V

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- EM400-400V
- EM430-400V
- EM440-3x230V (u.v.)

Optional accessories on request (selection):

- Power generator XM: Manual chassis (Art. No. 10395)
- Power generator XM: Lockable fuel tank cap (Art. No. 11424)
- Power generator XM: Earthing kit (Art. No. 11425)
- Power generator XM: Exhaust hose L=approx. 1m, complete (Art.-No. 10292)
- Mains adapter 400V/32A>400V/16A, with connection cable 1.5m (Art. No. 9115)
- Mains adapter, distributor 400V-CEE>1x 400V-CEE, 3x 230V-Schuko (with connection cable) (Art.-No.: 9482)
- Mains adapter, distributor 400V-CEE>3x 230V-Schuko (with connection cable) (Art.-No.: 9481)
- Mains adapter distributor socket strip 400V / 32A > 2x400V / 16A (Art. No.: 7273)

Power generator XM13kVA/10.4kW petrol (IP54)**Art. 9585**

Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers.



Klick me! (Image similar)

Features:

- Electric starter with ignition key
- Voltage control (electronic)
- Sturdy frame with central lifting bracket
- Brushless power generator
- Clear and protected connection and control panel
- Operating hours counter
- Manually controllable throttle valve
- Air control
- Voltmeter
- Oil warning light (LED)
- Engine cut-off in case of insufficient oil pressure
- Automatic fuse
- Magneto-thermal switch (three-phase output)
- Magnetothermal switch (single-phase output)
- Insulation monitoring
- Thermoswitch for protection against 230V earthed sockets: 2x16A
- Earth terminal
- Conforms to EU directives for noise and safety

Technical data:

- Power 3-phase LTP: 13kVA (10.4kW), 400V, 18.7A
- Power 3-phase PRP: 12kVA (9.6kW), 400V, 17.3A
- Power 3-phase COP: 6kVA, 230V, 26A
- Connections:
- 1x 400V/16A CEE (IP67)
- 2x 230V/16A Schuko
- Motor speed: 3000 rpm
- Engine cooling: Air
- Fuel: petrol
- Tank capacity: 18 l
- Running time at 75% PRP: approx. 4.6h
- Sound level: 99 db(A)
- Protection class: IP54
- Dimensions: 935 x 525 x 645 mm (L x W x H)
- Empty weight: approx. 160 kg

For example, suitable for the following machine types:

Beispielsweise geeignet für folgende Maschinentypen:

Beispielsweise geeignet für folgende Maschinentypen:

- EM100, EM100 + VS28, EM100 + VS33, EM100 + VS55M
- M99, M99 + VS28, M99 + VS33,
- M99-DS, M99-DS + VS28, M99-DS + VS33,
- M99-DS-Pro, M99-DS-Pro + VS28, M95-DS-Pro + VS33
- M95-230V, M95-230V + VS28, M95-230V + VS33,
- M95-2x230V, M95-400V, M95-400V, M95-400V
- EM 320-2x230V, EM 325-3x230V
- EM 340-400V, EM 345-400V+230V (u.v.)
- EM 360-400V, EM 365-400V+230V
- EM400-400V
- EM430-400V
- EM440-3x230V (u.v.)

Optional accessories on request (selection):

- Manual chassis
- Lockable tank cap

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- Earthing kit

Power generator XM15kVA/12kW Diesel (Silent/IP23)**Art. 11128**

Klick me! (Image similair)

Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers with high starting current. The housing is soundproofed, so this generator is very quiet in operation.

Features:

- Electric starter with ignition key
- Voltage control (electronic)
- Clear connection and control panel
- Multiple display/operation:
 - (Function) preheating
 - (Display) e.g. voltage, frequency, speed, hour counter etc.
 - (Alarm) signalling, e.g. oil pressure, temperature, voltage etc.
- Fuel level display
- Built-in horn
- Emergency stop switch
- Remote control connection
- Central (crane) lifting eye
- Preparation for automatic emergency power supply EAS
- Very easy to maintain, the housing can be opened completely
- Ground fault circuit interrupter
- Earth terminal
- Conforms to EU directives for noise and safety

Technical data:

- Power 3-phase LTP: 15kVA (12kW), 400V, 21.6A
- Power 3-phase PRP: 14kVA (11.2kW), 400V, 20.2A
- Power 1-phase PRP: 6.5kVA, 230V, 28.3A
- Connections:
 - 1x 400V/32A CEE
 - 1x 400V/16A CEE
 - 1x 230V/16A CEE
 - 1x 230V/16A Schuko
- Motor speed: 1500 rpm
- Engine cooling: Water
- Fuel: Diesel
- Tank capacity: 60 l
- Running time at 75% PRP: approx. 23 h
- Sound level (guaranteed / measured): 92 db(A) / 91 db(A)
- Protection class: IP23
- Dimensions: 1,720 x 1000 x 1,127 mm (L x W x H)
- Empty weight: approx. 565 kg

For example, suitable for the following machine types:

- EM100, EM100 + VS28, EM100 + VS33, EM100 + VS55M
- M99, M99 + VS28, M99 + VS33
- M99-DS, M99-DS + VS28, M99-DS + VS33
- M99-DS-Pro, M99-DS-Pro + VS28, M99-DS-Pro + VS33
- M95-230V, M95-230V + VS28, M95-230V + VS33
- M95-2x230V, M95-2x230V + VS28, M95-2x230V + VS33
- M95-400V, M95-400V + VS28
- M95-2x230V, M95-400V
- EM320, EM340, EM360
- EM400

Optional accessories on request (selection):

- Remote control
- Lockable tank cap
- earthing kit
- site chassis
- road chassis

Power generator XM16.5kVA/13.2kW petrol (IP23)**Art. 11123**

Klick me! (Image similair)

Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers with power-saving idling function.

Features:

- Electric starter with ignition key
- Voltage control (electronic)
- Sturdy frame with central lifting handle
- Clear and protected connection and control panel
- Fuel tap
- Hour meter

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- Digital multifunctional element
- Voltmeter
- Frequency meter
- Total hour meter / partial hour meter (resettable)
- Oil warning light (LED)
- Idling function
- Earth terminal
- Conforms to EU directives for noise and safety

Technical data:

- Power 3-phase LTP: 16.5kVA (13.2kW), 400V, 23.8A
- Power 3-phase PRP: 14.5kVA (11.6kW), 400V, 20.5A
- Power 1-phase PRP : 7.5kVA, 230V, 32.6A
- Connections:
 - 1x 400V/32A CEE
 - 2x 230V/16A CEE
- Motor speed: 3000 rpm
- Engine cooling: Air
- Fuel: petrol
- Tank capacity: 18 l
- Running time at 75% PRP: approx. 3.8 h
- Measured sound level: 99 db(A)
- Protection class: IP23
- Dimensions: 935 x 525 x 645 mm (L x W x H)
- Empty weight: approx. 155 kg

For example, suitable for the following machine types:

- EM100, EM100 + VS28, EM100 + VS33, EM100 + VS55M, EM100 + VS75M
- M99, M99 + VS28, M99 + VS33, M99 + VS55M
- M99-DS, M99-DS + VS28, M99-DS + VS33, M99-DS + VS55M
- M99-DS-Pro, M99-DS-Pro + VS28, M95-DS-Pro + VS33, M99-DS-Pro + VS55M
- M95-230V/3.7kW, M95-230V/3.7kW + VS28, M95-230V/3.7kW + VS33, M95-230V/3.7kW + VS55M
- M95-2x230V/5.1kW, M95-2x230V/5.1kW + VS25, M95-2x230V/5.1kW + VS33
- M95-400V/5.5kW, M95-400V/5.5kW + VS28, M95-400V/5.5kW + VS33
- M95-2x230V/6.6kW, M95-2x230V/6.6kW + VS28
- M95-400V/7.3kW
- EM320-2x230V, EM340-400V
- EM360-400V, EM360-400V + VS28, EM360-400V + VS33
- EM365-400V
- EM400-400V, EM430-400V, EM500

Optional accessories on request (selection):

- Hand chassis
- Lockable fuel tank cap
- Earthing kit

Power generator XM17kVA/13.6kW petrol (IP54)**Art. 9915**

Klick me! (Image similar)

Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers.

Technical data

- Electronic fuel injection
- Automatic starter (auto-choke), electric start
- Auto-idle function as standard
- Electronic voltage regulation "AVR"
- Brushless alternator with IP 54 protection
- Insulation monitor
- Air cooling
- Magnetothermal switch
- Differential switch
- Complies with German regulation DGUV-I 203-032
- Conforms to CE directives
- Dimensions [mm]: 935 x 525 x 645 (L x W x H)
- Weight [mm]: approx. 175kg
- Running time (75% of PRP) 3.8h
- Maximum power mains stand-by 16.8 kWm (22.8 hp)
- Maximum power grid PRP 13.3 kWm (18 hp)
- Maximum power mains COP /
- Speed controller Electronic
- Fuel tank capacity 18 lt.
- Fuel Petrol
- Fuel consumption: 110 % (power stand-by) 6.9 lt./h, 100 % of PRP 6.3 lt./h, 75 % of PRP 4.7 lt./h, 50 % of PRP 3.2 lt./h
- Connection sockets: 1x400V/32A (power 21.6A) CEE, 2x 230V/16A Schuko (total power 30.4A)

For example, suitable for the following machine types:

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- EM400, EM430, EM440-3x230V, EM440-400V, EM440-400V+230V
- EM3XX
- M95-230V, M95-2x230V, M95-400V
- M99, M99-DS and M99-DS-Pro
- VS28 and VS33
- and many more.

Options:

- Power generator XM: Manual chassis (Art. no. 10395)
- Power generator XM: Lockable fuel tank cap (Art. no. 11424)
- Power generator XM: Earthing kit (Art. no. 11425)
- Power generator XM: Exhaust hose L=approx. 1m, complete (Art.-No. 10292)
- Mains adapter 400V/32A>400V/16A, with connection cable 1.5m (Art. no. 9115)
- Mains adapter, distributor 400V-CEE>1x 400V-CEE, 3x 230V-Schuko (with connection cable) (Art.-No.: 9482)
- Mains adapter, distributor 400V-CEE>3x 230V-Schuko (with connection cable) (Art.-No.: 9481)
- Mains adapter distributor socket strip 400V / 32A > 2x400V / 16A (Art. no.: 7273)

Power generator XM20kVA/16kW Diesel (IP23)**Art. 10253**

Power generator for operating an X-Floc insulation blowing machine and suitable machines.



Features:

- Electric starter with ignition key
- Voltage control (electronic)
- Clearly arranged connection and control panel, can be secured with a lock
- Multiple (alarm) signalling, e.g. oil pressure, temperature, voltage etc.
- Central (crane) lifting eye
- Preparation for automatic emergency power supply EAS
- Very easy to maintain, the housing can be opened completely
- Conforms to EU directives for noise and safety

Technical data:

- Power 3-phase LTP: 20kVA (16kW), 400V, 28.9A
- Power 3-phase PRP: 18kVA (14.4kW), 400V, 26A
- Power 1-phase PRP: 7kVA, 230V, 30.4A
- Connections:
 - 1x 400V/32A CEE
 - 1x 400V/16A CEE
 - 1x 230V/16A CEE
 - 1x 230V/16A Schuko
- Engine speed: 1500 rpm
- Engine cooling: water
- Fuel: Diesel
- Tank capacity: 60l
- Running time at 75% PRP: approx. 17.5h
- Sound level (guaranteed / measured): 94 db(A) / 93 db(A)
- Protection class: IP23
- Dimensions: 1,720 x 1000 x 1,127 mm (L x W x H)
- Empty weight: approx. 610 kg

Optional accessories on request (selection):

- Remote control
- Lockable fuel filler cap
- earthing kit
- construction site chassis
- road chassis

Power generator XM20kVA/16kW Diesel (Silent/IP44)**Art. 10828**

Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers. The housing is soundproofed, so this power generator is particularly quiet in operation.



Features:

- Electric starter with ignition key
- Voltage control (electronic)
- Clearly laid out connection and control panel, can be secured with a lock
- Particularly long running time (29.5h at 75% of PRP)
- Multiple (alarm) signalling, e.g. oil pressure, temperature, voltage etc.
- Central (crane) lifting eye
- Preparation for automatic emergency power supply EAS
- Enclosure shape and tight base provide increased protection against water ingress and liquid run-off (better environmental protection) and a high protection class (IP44)
- Very easy to maintain, the housing can be opened generously
- Conforms to EU directives for noise and safety

Technical data:

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- Power 3-phase LTP: 20kVA (16kW), 400V, 28.9A
- Power 3-phase PRP: 18kVA (14.4kW), 400V, 26A
- Power 1-phase PRP: 7kVA, 230V, 30,4A
- Connections:
 - 1x 400V/32A CEE
 - 1x 400V/16A CEE
 - 2x 230V/16A Schuko
- Engine speed: 1500 rpm
- Engine cooling: water
- Fuel: Diesel
- Tank capacity: 100l
- Running time at 75% PRP: approx. 29.5h
- Sound level (guaranteed / measured): 89 db(A) / 88 db(A)
- Protection class: IP44
- Dimensions: 1,835 x 900 x 1,264 mm (L x W x H)
- Empty weight: approx. 750 kg

Optional accessories on request (selection):

- Transport sledge
- Remote control
- earthing kit
- construction site chassis
- road chassis

Generator XM4kW/230V Petrol (IP23)**Art. 11555**

Compact, mobile single-phase synchronous generator, self-regulating.



Klick me! (Image similar)

Features:

- Electric and manual start with ignition key
- Regulates voltage automatically
- Clear connection and control panel
- Clearly arranged connection and control panel
- Function LED
- Motor speed control
- Overvoltage protection
- Oil level led
- Low oil level = engine stop
- Parallel output for a second generator
- Charger equipped with thermal protection
- Earth terminal (PE)
- Conforms to EU directives for noise and safety

Technical data:

- Power 1-phase PRP : 3.8kW, 230V, 16.5A
- Frequency: 50 Hz
- Connections:
 - 2x 230V/16A CEE
 - 1x T Schuko
 - 1x 5V/1A USB
 - 1x 5V/2.1A USB
 - 1x 12 VDC socket charger
- Motor speed: 3600 rpm
- Engine cooling: air
- Fuel: petrol
- Tank capacity: 12 l
- Running time at 75% PRP: approx. 8.5 h
- Measured sound level: 91.8 db(A)
- Protection class: IP23
- Dimensions: 605 x 432 x 500 mm (L x W x H)
- Empty weight: approx. 42 kg

Power generator XM4,5kW / 5,0kVA**Art. 9583**

Compact, mobile single-phase synchronous generator, self-regulating.



Klick me! (Image similar)

Specifications:

- 50 Hz, synchronous, self-exciting, self-regulating, brushless
- Power, 1-phase (stand-by): 5 kVA / 230 V / 21.7 A
- Power, 1-phase (P.R.P.): 4 kVA / 230 V / 17.4 A
- Fuel: petrol
- Reversing start

Power connections: 2x230V 16A 2P + T (Schuko)

- Thermal circuit breaker
- Battery charger 12Vdc - 10A
- Stand-by single-phase power: 5.0 kVA (4.5 kW) / 230 V / 21.7 A
- Dimension mm: 650x490x520
- Weight: Approx. 57 kg

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With protective separation without FI

For example, suitable for the following machine types:

- EM100
- M99, M99-DS and M99-DS-Pro
- VS28 and VS33
- M95-230V-3.6kW and M95-230V-3.7kW

Options:

- Power generator XM: Chassis CM8 (Art.-No. 9821)

Power generator XM6.0kW / 6.7kVA**Art. 9584**

Klick me! (Image similair)

Compact, mobile single-phase synchronous generator, self-regulating.

Specifications:

- Engine: Honda GX 390 petrol engine air-cooled
- Power, 1-phase (stand-by): 6kW / 6.7kVA / 230 V / 29.1 A
- Power, 1-phase (P.R.P.): 5kW / 5.5kVA / 230 V / 23.9 A
- Running time (75% load): 2.5h
- Noise level, measured: 99 LWA (74 dB(A) - 7 m
- tank capacity: 6,6 l
- 50 Hz, synchronous, self-exciting, self-regulating, brushless
- Power connections: 2x230V 16A 2P + T (Schuko)
- Three-phase rated power 12KVA / 400V / 17A
- 4-times starting current
- 3-amplified phases
- Thermal circuit breaker
- Protection class IP 23
- Dimension mm: 770x520x650
- Weight: Approx. 75 kg
- Robust frame and construction
- Protective separation with insulation monitoring and shutdown

For example, suitable for the following machine types:

- EM100
- M99, M99-DS and M99-DS-Pro
- VS28 and VS33
- M95-230V-3.6kW, M95-230V-3.7kW, M95-2x230V-5.1kW

Options:

- Power generator XM: FI circuit breaker for XM6.0kW/6.7kVA (art. no. 9822)
- Power generator XM: Chassis CM8 (Art.-No. 9821)

Stromerzeuger XM8.0kVA/6.4kW**Art. 11609**

Klick me! (Image similair)

English version in preparation: Kompakter, mobiler dreiphasiger Synchrongenerator, selbstregulierend.
Mit Großbraumtank und Ölmengenüberwachung.

Spezifikationen:

- Motor: Honda GX390 Benzinmotor luftgekühlt
- Leistung, 3-phasig (stand-by): 6,4kW / 8,0kVA / 400 V / 11,5 A
- Leistung, 3-phasig (P.R.P.): 5.6 kW / 7,0kVA / 400V/ 10.1A
- Leistung, 1-phasig (P.R.P.): 3,5kVA / 230 V / 15,2 A
- Laufzeit (75% Last): 2,4 lt./h
- Geräuschpegel, gemessen: 97 LWA (74 dB(A) - 7 m
- Tankinhalt: 20 l
- 50 Hz, synchron, selbsterregend, selbstregulierend, bürstenlos
- Stromanschlüsse: 1x400V 16A 3P+N+T CEE
1x230V 16A 2P+T CEE
1x230V 16A 2P+T Schuko
- Thermischer Schutzscharter
- Schutzart IP 23
- Abmessung mm: 770x520x630
- Gewicht: Ca. 83 kg
- Robuster Rahmen und Aufbau
- Elektronische Spannungsregelung und Sicherungsautomat

Beispielsweise geeignet für folgende Maschinentypen:

- EM100
- M99, M99-DS und M99-DS-Pro
- VS28 und VS33
- M95-230V-3.6kW, M95-230V-3,7kW, M95-2x230V-5,1kW, M95-400V/5,5kW

Optionen (auf Anfrage):

- Handfahrgestell
- Ausführung mit Schuko-Dosen
- FI-Schutzschalter
- Isolationsüberwachung

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01 Machines

Machines, Amplifyer, Generators, Options

VS: Amplifier/vacuum station VS28_V2

Art. 2711



Klick me! (Image similar)

Amplifier/vacuum station in metal casing, completely assembled and ready for use, consisting of:

- 10m power adaptor (earthed plug, CEE socket)
- Manual/automatic operation
- Stepless speed controller from 20-100%

Ideal for the following:

- Construction site cleaning, vacuuming of materials, suction of material dust during blowing-process
- Element removal
- Amplification of insulation blowing machines

Technical details:

- Dimensions: approx. 482x358x418 (LxWxH)
- Electrical connection: 230V~, 16A (fusing: Type B/Type C/screw-/melting fuse)
- Conveying pressure: approx. 320mbar (adjustable)
- Negative pressure: max. approx. 280mbar (adjustable)
- Air flow (nominal/gauged): 440/360m³/h
- Electrical power requirement: 2.8kW
- Weight: approx. 19,5kg
- Complete separation of working and cooling air, therefore better collector cooling
- Motor and electrical areas less vulnerable to dirt
- Less deformation with high levels of negative pressure (i.e. with suction operation)
- Large filter area with easily replaceable filter mats

Optional:

- Mains voltage display, display of the applied supply voltage (prod. No. 4604)
- Compact amplifier/vacuum unit (2.8kW)- complete set (product no. 2886)
- Connection cable for automatic operation with blowing machine: L=10m, 25m, 50m
- Suction drum V=115l (product no. 1160)
- Suction drum V=250l (product no. 1160)
- Y-piece NW63/75>75 stainless steel (product no. 2221)
- VS: Connecting Set for Amplifier NW63/NW75>NW75 (product no. 4934)
- Preparation for cable / radio operation (prod no. 3864)
- FFB 500 - Radio remote control bidirectional (prod no. 6708 only in connection with prod no. 3864)

VS: Compact amplifier / vacuum unit VS28 complete set 115 l

Art. 2886



Klick me! (Image similar)

Consists of:

- 1x compact amplifier/ vacuum unit (incl. 10m power cable) (product no. 2711)
- 1x suction drum (V=115l) with practical hinged lid (product no. 1160)
- 5x bags made out of PP-woven tape fabric 70x110cm (product no. 1085)
- 1.5 m NW 75 hose
- 0.1 m NW 75 hose
- 1.5 m NW 63 hose
- 2x NW75 quick-connect hose clamps (product no. 223)
- 2x NW63 hose clamps (product no.176)
- 1x Y-piece stainless steel NW75/63>75 (Art.-Nr. 2221 for Zellofant) or NW63/63>63 (Art.-Nr. 3955 for Minifant) (please specify when ordering)
- 1x NW75>63 plastic reducer tube (product no. 1046) (alternatively NW75>50 (product no. 1045))
- 1x connecting control cable (L= 5 m) (product no. 1856) for Master-Slave operation of any blowing machine (please specify when ordering)

Ideal for the following:

- Construction site cleaning, vacuuming of other materials, suction of insulation material
- Element removal
- Amplification of blowing machine power

Technical Details:

- Electrical connection: 230V~, 16A
- Fusing: Type B / Type C / screw- / melting fuse
- Conveying pressure: max. approx. 320 mbar (adjustable)
- Negative pressure: max. approx. 280 mbar (adjustable)
- Air flow (nominal/gauged): 440/360 m³/h
- Electrical power requirement: 2.8 kW
- Weight: approx. 46 kg

Optional:

- Mains voltage display, display of the applied supply voltage (prod. No. 4604)
- Cable/radio remote control
- Control cable (L=2m) or (L=50m) (in exchange)
- Preparation for cable / radio operation (prod no. 3864)
- FFB 500 - Radio remote control bidirectional (prod no. 6708 only in connection with prod no. 3864)

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01 Machines

Machines, Amplifier, Generators, Options

VS: Compact amplifier/ vacuum unit (2.8kW)- complete set- 250l

Art. 5017



Klick me! (Image similar)

Consists of:

- 1x compact amplifier/ vacuum unit (incl. 10m power cable) (product no. 2711)
- 1x suction drum (V=250l) with practical hinged lid (product no. 3075)
- 5x woven polypropylene sacks- 100 x 150cm (product no. 801)
- 1.5 m NW 75 hose
- 0,1m NW 75 hose
- 1.5 m NW 63 hose
- 2x NW75 quick-connect hose clamps (product no. 223)
- 2x NW63 hose clamps (product no.176)
- 1x Y-piece stainless steel NW75/63>75 (Art.-Nr. 2221 for Zellofant) or NW63/63>63 (Art.-Nr. 3955 for Minifant) (please specify when ordering)
- 1x NW75>63 plastic reducer tube (product no. 1046) (alternatively NW75>50 (product no. 1045)
- 1x connecting control cable (L= 5 m) (product no. 1856) for Master-Slave operation of any blowing machine (please specify when ordering)

Ideal for the following:

- Construction site cleaning, vacuuming of other materials, suction of insulation material
- Element removal
- Amplification of blowing machine power

Technical Details:

- Electrical connection: 230V~, 16A
- Fusing: Type B / Type C / screw- / melting fuse
- Conveying pressure: max. approx. 320 mbar (adjustable)
- Negative pressure: max. approx. 280 mbar (adjustable)
- Air flow (nominal/gauged): 440/360m³/h
- Electrical power requirement: 2.8 kW
- Weight: approx. 46 kg
- Complete separation of working and cooling air
- Therefore, better collector cooling
- Motor and electrical areas less vulnerable to dirt
- Less deformation with high levels of negative pressure (i.e. with suction operation)
- Large filter area with easily replaceable filter mats

Optional:

- Mains voltage display, display of the applied supply voltage (prod. No. 4604)
- Cable/radio remote control
- Control cable (L=2m) or (L=50m) (in exchange)

VS: Amplifier and vacuum station VS33

Art. 5855



Klick me! (Image similar)

Amplifier and vacuum station completely assembled and ready for operation in the sheet steel casing, consists of:

- Net cable 10m (Schuko-plug, CEE-socket)
- Operating mode selector switch hand- / synchronic- / automatic operation
- Continuous level adjustment of 20-100%
- Light to display the operational readiness

Ideal for the following applications:

- Suction and ventilation of rotary nozzles
- Site cleaning, vacuuming foreign materials
- Dismantling of elements
- Amplifying the insulation blowing machines

Technical details:

- Dimensions: approx. 482x358x418 (LxWxH)
- Electricity connection: 230V~, 16A (including mains cable 10m, CEE/Schuko, circuit breakers C Series, safety screws and fuse)
- Connected value: 3,3kW
- Conveying pressure: max. 350mbar (adjustable)
- Underpressure: max. 320mbar (adjustable)
- Air flow (nominal/gauged): appr. 420/400m³/h
- Outlet NW63 (2½")
- Intake air duct NW75 (3")
- Easy to clean suction filter
- Operating hours meter for better maintenance interval monitoring
- Weight approx. 19,8kg

Operation available in three modes: manual, automatic, automatic with power synchronisation for main machine

Options:

- Mains voltage display, display of the applied supply voltage (prod. No. 4604)
- VS: Connecting Set for Amplifier NW63/NW75>NW75 (Art.-Nr. 4934)
- Connection cable for automatic operation with the insulation blowing machine: L=2m, 25m, 50m
- Suction drum V= approx. 115l (prod. No. 1160)
- Preparation for cable / radio operation (prod no. 3864)
- FFB 500 - Radio remote control bidirectional (prod no. 6708 only in connection with prod no. 3864)

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01 Machines

Machines, Amplifyer, Generators, Options

VS: Amplifier/ vacuum station VS33 complete set 115 I

Art. 5939



- Complete set consists of:
- 3,3kW amplifier/ vacuum station, Suction drum (V=115l) with practical hinged lid incl. 5 woven polypropylenebags
 - 10m power cable (earthed plug, CEE socket)
 - 1.5 m NW75 hose
 - 0,1m NW75 hose
 - 1.5m NW 63 hose
 - 2x NW75 quick-connect hose clamps
 - 2x NW63 hose clamps
 - Y-piece stainless steel for connection to amplifier station (NW75/63>75 (Zellofant) oder NW63/63>63 (Minifant))
 - NW75>63 (or 75>50) reducer tube (plastic),
 - connecting control cable (L=5m) for Master-Slave operation of any blowing machine (please specify when placing order).

Description:

Amplifier/ vacuum station in sheet metal casing, completely assembled and ready for use, with the following control elements: master switch, manual or automatic operation, stepless power regulation from 20-100%. Ideal for the following:

- Dust extraction from rotary nozzles
- Construction site cleaning, vacuuming of other materials.
- Element removal
- Amplification of blowing machine power

Technical Details:

- Dimensions (WxHxD) amplifier station: 420 x 300 x 330mm
- Dimensions suction drum: Ø450 x 860mm
- Electrical connection: 230V~, 16A including 10m mains connecting cable (CEE/earthed)
- Fusing: 3,3kW type C circuit breaker, screw- / melting fuse
- Conveying pressure: max. 350mbar (adjustable)
- Negative pressure: max. approx. 320mbar (adjustable)
- Air flow (nominal/gauged): 420/400m³/h
- Electrical power requirement: 3,3kW
- Weight: approx. 45kg

Special features:

- Operating hours meter included for better monitoring of when maintenance work is due
- Complete separation of working and cooling air
- Therefore, better collector cooling
- Motor and electrical areas less vulnerable to dirt
- Less deformation with high levels of negative pressure (i.e. with suction operation)
- Bigger filter box with a filter approx. 2.5 times the size of the old filter

Optional:

- Mains voltage display, display of the applied supply voltage (prod. No. 4604)
- Cable/radio remote control
- Control cable (L=2m or 50m)
- Alternatively with 250 l suction drum
- Preparation for cable / radio operation (prod no. 3864)
- FFB 500 - Radio remote control bidirectional (prod no. 6708 only in connection with prod no. 3864)

VS: Amplifier / vacuum station VS33 Complete set 250 I

Art. 5940



- Complete set consists of:
- 3,3kW amplifier/ vacuum station, Suction drum (V=250l) with practical hinged lid incl. 5 woven polypropylenebags
 - 10m power cable (earthed plug, CEE socket)
 - 1,5m NW75 hose
 - 0,1m NW75 hose
 - 1,5 m NW 63 hose
 - 2x NW75 quick-connect hose clamps
 - 2x NW63 hose clamps
 - Y-piece stainless steel for connection to amplifier station (NW75/63>75 (Zellofant) oder NW63/63>63 (Minifant))
 - NW75>63 (or 75>50) reducer tube plastic
 - connecting control cable (L=5m) for Master-Slave operation of any blowing machine (please specify when placing order).

Description:

Amplifier/ vacuum station in sheet metal casing, completely assembled and ready for use, with the following control elements: master switch, manual or automatic operation, stepless power regulation from 20-100%. Ideal for the following:

- Dust extraction from rotary nozzles
- Construction site cleaning, vacuuming of other materials.
- Element removal
- Amplification of blowing machine power

Technical Details:

- Dimensions (WxHxD) amplifier station 420 x 300 x 330mm
- Dimensions suction drum: Ø450 x 860mm
- Electrical connection: 230V~, 16A, including 10m mains connecting cable (CEE/earthed)
- Fusing: 3.3kW, type C circuit breaker, screw- / melting fuse
- Conveying pressure: max. 350mbar (adjustable)
- Negative pressure: max. 320mbar (adjustable)
- Air flow (nominal/gauged): 420/400m³/h
- Weight: approx. 58kg

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01**Machines****Machines, Amplifier, Generators, Options**

Special features:

- Operating hours meter included for better monitoring of when maintenance work is due
- Complete separation of working and cooling air
- Therefore, better collector cooling
- Motor and electrical areas less vulnerable to dirt
- Less deformation with high levels of negative pressure (i.e. with suction operation)
- Bigger filter box with a filter approx. 2.5 times the size of the old filter

Optional:

- Mains voltage display, display of the applied supply voltage (prod. No. 4604)
- Cable/radio remote control
- Control cable (L=2m or 50m)
- Alternatively with 115 l suction drum
- Preparation for cable / radio operation (prod no. 3864)
- FFB500 - Radio remote control bidirectional (prod no. 6708 only in connection with 3864)

VS: Amplifier-/ vacuum station VS40**Art. 8336**

Klick me! (Image similar)

Amplifier-/ vacuum station completely mounted and ready for use. Stable base frame with machine feet, 3-level high-performance turbine made of aluminium with motor and belt drive, suction filter and check valve. Electrical switchboard incl. master-slave connection, main switch and operating elements.

Suitable for:

- Amplifying the insulation blowing machines
- Construction site cleaning, vacuuming foreign materials, dismantling of elements
- Dust removal from insulation blowing machines

Advantages:

- Strong air performance in a compact design
- Due to contact-free drive, suitable for even high action time
- Cheap maintenance

Technical details:

Dimensions (LxWxH): approx. 600x650x600mm

Weight: approx. 61kg

Power supply: approx. 400V

Inside the amplifier-/ vacuum station, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.

Rated power: 4,0kW

Conveying pressure (max.): approx. 440mbar

Negative pressure (max.): approx. 330mbar

Air volume: approx. 360m³/h

Intake socket: NW63

Outlet: NW50 (expandable to NW63)

Control/operation: Mode selector switch (selection between synchronised and manual operation), continuously level control between 20-100%, master-slave control possible

Scope of delivery:

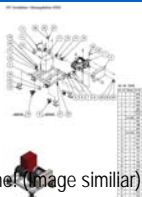
- 1x Amplifier-/ vacuum station VS37
- 1x Mains adapter 400V/16A, 10m ring, CEE (prod. No. 348)

Optional accessories:

- VS: Connecting control cable for controlling via an insulation blowing machine, L= approx. 5/25/50m (prod. No. 1856/1192/1193)
- VS: Connecting Set for amplifier NW63/NW75>NW75 (prod. No. 4934)
- VS: Suction drum V=115l/250l (prod. No. 1160/3075)
- Reducer tube connector NW75>63 (aluminium) (prod. No. 1261)

Alternative articles:

- VS: Amplifier-/ vacuum station VS55 (prod. No. 6348)
- VS: Amplifier-/ vacuum station VS33 (prod. No. 5855)

VS: Verstärker-/ Absaugstation VS55 (auf Grundrahmen)**Art. 6348**

Klick me! (Image similar)

English version in preparation: Verstärker- / Absaugstation komplett montiert und betriebsbereit bestehend aus:

- Stabiler Grundrahmen mit Maschinenfüßen
- 5-stufige Hochleistungs-Turbine aus Aluminium mit Motor und Riemenantrieb, Ansaugfilter und Rückschlagventil
- Elektrische Schaltanlage inkl. Master-Slave Anschluss, 5m Netzkabel mit CEE-Stecker, Hauptschalter und Bedienelementen

Ideal für folgende Anwendungen:

- Verstärkung von Einblasmaschinen
- Baustellenreinigung, Absaugung von Fremdmaterialien, Rückbau von Elementen
- Entstaubung von Einblasmaschinen

Technische Daten:

- Abmessungen: ca. 785x700x580 mm
- Gewicht: ca. 101kg
- Ansaugstutzen: NW75
- Ausblasstutzen: NW75

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- Spannungsversorgung: 400 V / 50 Hz / 3× 16 A
- In der Verstärker-/ Absaugstation sind frequenzgeführte Antriebe integriert. Der elektrische Anschluss muss nach den geltenden, nationalen elektrischen Vorschriften erfolgen.
- Bemessungsleistung: 5,5 kW
- Max. Überdruck: ca. 420 mbar (einstellbar)
- Max. Unterdruck: ca. 380 mbar (einstellbar)
- Max. Luftmenge: ca. 470 m³/h (freiblasend)
- Betriebsartenschalter Hand- / Synchronbetrieb
- Stufenlose Niveauregulierung von 20-100%
- Leuchte zur Anzeige der Betriebsbereitschaft

Betrieb wahlweise in drei Modi:

- Manuell "Ein"/, "
- Automatik Ein 100%",
- Automatik Ein mit Leistungs-Synchronisation zur Hauptmaschine

Optionen:

- Anschlusskabel für Automatik-Betrieb mit Einblasmaschine: L=2m, 25m, 50m (z.B. Art.-Nr. 1856)
- VS: Anschluss-Set für Verstärker NW63/NW63>NW63 (Art.-Nr. 4935)
- VS: Anschluss-Set für Verstärker NW63/NW75>NW75 (Art.-Nr. 4934)
- VS: Anschluss-Set für Verstärker NW63/NW90>NW90 (Art.-Nr. 7870)
- VS: Saugfass V=115L (Art.-Nr. 1160)
- VS: Stahlteile Saugfaß V=250 l (Art.-Nr. 3076)

VS: Amplifier- / Suction station VS55 mobil**Art. 9455**

Klick me! (Image similar)

High-performance turbine booster/exhaust station completely assembled and ready for operation. Flexible use on construction sites or in the factory. Good manageability by means of sack truck function.

Ideally suited for the following applications:

- Reinforcement of blow-in machines
- Site cleaning, suction of foreign materials, dismantling of elements (in connection with a suction barrel)
- Dedusting of blowing machines

Technical data:

- Intake manifold: NW90 (3½")
- Blow-out nozzle: NW63 (2½")
- Power supply: 400V/50Hz/3x16A/N/PE (+/- 5%)
- Rated power 5,5kW
- Max. overpressure: approx. 470 mbar (adjustable)
- Max. negative pressure: approx. 430 mbar (adjustable)
- Max. air volume: approx. 355 m³/h (free blowing)
- Operating mode switch manual / synchronous operation
- Infinitely variable level control from 20-100% (via potentiometer or blow-in machine)
- Control lamp for indicating operational readiness
- Dimensions: approx. 605 x 560 x 750mm (LxWxH)
- Weight: approx. 65kg

Note on the power connection: Frequency-controlled drives are integrated in the amplifier/suction station. The electrical connection must be made in accordance with the applicable national electrical regulations.

- Stable, practical transport frame
- 5-stage high-performance turbine made of aluminium with motor and belt drive, intake filter and check valve
- Electrical switchgear incl. Master-slave connection, mains connection with CEE plug and connecting cable approx. L=1m, main switch, ready indicator and operating elements

Options:

- VS: Connecting control cable for control from the blowing machine (L=approx. 5m) (Prod. No. 1856)
- VS: Connecting Set for Amplifier NW63/NW63>NW63 (Prod. No. 4935)
- VS: Connecting Set for Amplifier NW63/NW75>NW75 (Prod. No. 4934)
- VS: Connection set for amplifier NW63/NW90>NW90 (Prod. No. 7870)
- VS: Suction drum V = 115L (Prod. No. 1160)
- VS: Suction drum V=250L (Prod. No. 3075)

VS: Amplifier and vacuum station VS75**Art. 9010**

English version in preparation:

Amplifier / exhaust station completely assembled and ready for use, consisting of:

- Stable base frame with machine feet
- 5-speed aluminum high-performance turbine with motor and belt drive, intake filter and check valve
- Electrical switchboard incl. Master-slave connection, 5m power cable with CEE plug, main switch and controls

Klick me! (Image similar)

Ideal for the following applications:

- Reinforcement of blowing machines
- Construction site cleaning, extraction of foreign materials, dismantling of elements
- dedusting of blowing machines

Technical specifications:

- Dimensions: about 785 × 700 × 580 mm
- Weight: about 108kg
- Intake manifold: NW75

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- Air outlet: NW75
- Power supply: 400 V / 50 Hz / 3 × 16 A
- Frequency-controlled drives are integrated in the amplifier / extraction station. The electrical connection must be made in accordance with the applicable national electrical regulations.
- Rated power: 7.5 kW
- Max. Overpressure: approx. 650 mbar (adjustable)
- Max. Negative pressure: approx. 600 mbar (adjustable)
- Max. Air volume: approx. 470 m³ / h (free-blowing)
- Operating mode switch manual / synchronous operation
- Stepless level control from 20-100%
- Light to indicate readiness for operation

Operation in three modes:- Manual "On /", "

- Automatic One 100% ",
- Automatic on with power synchronization to the main engine

options:

- Connection cable for automatic operation with blow-in machine: L = 2m, 25m, 50m (for example Item No. 1856)
- VS: Suction barrel V = 115L (Item No. 1160)
- VS: Suction barrel V = 250L (Item No. 3075)

VS: Amplifier- / Suction station VS75 mobil**Art. 9793**

Klick me! (Image similar)

High-performance turbine booster/exhaust station completely assembled and ready for operation. Flexible use on construction sites or in the factory. Good manageability by means of sack truck function.

Ideally suited for the following applications:

- Reinforcement of blow-in machines
- Site cleaning, suction of foreign materials, dismantling of elements (in connection with a suction barrel)
- Dedusting of blowing machines

Technical data:

- Intake manifold: NW90 (3½")
- Blow-out nozzle: NW63 (2½")
- Power supply: 400V/50Hz/3x16A/N/PE (+/- 5%)
- Rated power 7,5kW
- Max. overpressure: approx. 600 mbar (adjustable)
- Max. negative pressure: approx. 550 mbar (adjustable)
- Max. air volume: approx. 390 m³/h (free blowing)
- Operating mode switch manual / synchronous operation
- Infinitely variable level control from 20-100% (via potentiometer or blow-in machine)
- Control lamp for indicating operational readiness
- Dimensions: approx. 605 x 560 x 750mm (LxWxH)
- Weight: approx. 88kg

Note on the power connection: Frequency-controlled drives are integrated in the amplifier/suction station. The electrical connection must be made in accordance with the applicable national electrical regulations.

- Stable, practical transport frame
- 5-stage high-performance turbine made of aluminium with motor and belt drive, intake filter and check valve
- Electrical switchgear incl. Master-slave connection, mains connection with CEE plug and connecting cable approx. L=1m, main switch, ready indicator and operating elements

Options:

- VS: Connecting control cable for control from the blowing machine (L=approx. 5m) (Prod. No. 1856)
- VS: Connecting Set for Amplifier NW63/NW63>NW63 (Prod. No. 4935)
- VS: Connecting Set for Amplifier NW63/NW75>NW75 (Prod. No. 4934)
- VS: Connection set for amplifier NW63/NW90>NW90 (Prod. No. 7870)
- VS: Suction drum V = 115L (Prod. No. 1160)
- VS: Suction drum V=250L (Prod. No. 3075)

Zellofant M95-230V/3.7kW**Art. 7139**

Klick me! (Image similar)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 155 kg/m³ packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Two high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 230V/16A electrical connection.

For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 650 kg/h, depending on application, material and delivery
- Hopper volume: 0,44 m³
- Dimensions: 800 x 1425 (D x H)
- Empty weight: 155 kg

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- Filling height: 1425 mm
- Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 230V/50Hz (+/- 5%), 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 3,7kW
- Blower: 2x high-powered radial fans with 2,4kW total power
- Conveying pressure: max. 300 mbar
- Air flow (nominal/gauged): 320/250 m³/h
- Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75, 1x spare air filter, machine folder incl. Operating instructions, inspection records and EC declaration of conformity
- Optional equipment:
 - NW90 discharge nozzle (instead of NW75): This increases the output or material throughput by approx. 35% to 880 kg/h. (prod. No. 7109)
 - Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
 - Direct extension NW75>90 (3">3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
 - Direct reducer NW75>63 (3">2,5") (prod. No. 526) or NW75>50 (3">2") (prod. No. 1972)
 - Mains voltage display for 230V connection (prod. No. 4604)
 - Airlock feed gate (prod. No. 3194)
 - Quick coupling for outlet (prod. No. 172)
 - Reinforced rotary airlock (prod. No. 6719)
 - Amplifier-/vacuum stations
 - Insulation blowing tools (various prod. No.)
 - For more accessories, see price list / available on request

Zellofant M95-2x230V/5,1kW-SE insulation blowing machine**Art. 6906**

Klick me! (Image similar)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 165 kg/m³ packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Two high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with two 230V/16A electrical connections.

For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 750 kg/h, depending on application, material and delivery
- Hopper volume: 0,44 m³
- Dimensions: 800 x 1425 (D x H)
- Empty weight: 160 kg
- Filling height: 1425 mm
- Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 2x 230V/50Hz (+/- 5%), each 16A (type B or C circuit breaker or slow blow screw in plug fuse)
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 5,1kW
- Blower: 2x high-powered radial fans with 3,6kW total power
- Conveying pressure: max. 375 mbar
- Air flow (nominal/gauged): 390/370 m³/h
- Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key,

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1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75, 1x spare air filter, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- NW90 discharge nozzle (instead of NW75): This increases the output or material throughput by approx. 35% to 1,010 kg/h. (prod. No. 7109)
- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Direct extension NW75>90 (3" > 3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3" > 2,5") (prod. No. 526) or NW75>50 (3" > 2") (prod. No. 1972)
- Mains voltage display for 230V connection (prod. No. 4604)
- Airlock feed gate (prod. No. 3194)
- Quick coupling for outlet (prod. No. 172)
- Reinforced rotary airlock (prod. No. 6719)
- 400V CEE / 3x 230V earthed power distribution cube (with connection cable) (prod. No. 9481)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

Zellofant M95-2x230V/6,6kW-SE insulation blowing machine**Art. 10919**

Klick mal (Image similar)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 165 kg/m³ packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Three high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with two 230V/16A electrical connections.

For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 980 kg/h, depending on application, material and delivery
 - Hopper volume: 0,44 m³
 - Dimensions: 800 x 1425 (D x H)
 - Empty weight: 170 kg
 - Filling height: 1425 mm
 - Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
 - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
 - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
 - Electrical connection: 2x 230V/50Hz (+/- 5%), each 16A (type B or C circuit breaker or slow blow screw in plug fuse)
 - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
 - Power rating: 6.6kW
 - Blower: 3x high-powered radial fans with 5.1kW total power
 - Conveying pressure: max. 420 mbar
 - Air flow (nominal/gauged): 590/540 m³/h
 - Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
 - Airlock chamber ventilation for optimal processing throughputs
 - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75, 1x spare air filter, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- NW90 discharge nozzle (instead of NW75): This increases the output or material throughput by approx. 35% to 1,320 kg/h (art. no. 7109)
- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Direct extension NW75>90 (3" > 3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3" > 2,5") (prod. No. 526) or NW75>50 (3" > 2") (prod. No. 1972)
- Mains voltage display for 230V connection (prod. No. 4604)
- Airlock feed gate (prod. No. 3194)
- Quick coupling for outlet (prod. No. 172)
- Reinforced rotary airlock (prod. No. 6719)
- Airlock with outlet socket NW90 (3,5") (prod. No. 7109)
- 400V CEE / 3x 230V earthed power distribution cube (with connection cable) (prod. No. 9481)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. No.)

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01**Machines****Machines, Amplifier, Generators, Options**

- For more accessories, see price list / available on request

Zellofant M95-400V/5.5kW-SE insulation blowing machine**Art. 6907**

Klick hier (Image similar)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 165 kg/m³ packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Two high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/3x 16A electrical connection.

For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1080 kg/h, depending on application, material and delivery
 - Hopper volume: 0,44 m³
 - Dimensions: 800 x 1425 (D x H)
 - Empty weight: 165 kg
 - Filling height: 1425 mm
 - Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
 - Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
 - Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
 - Electrical connection: 1x 400V/50Hz (+/- 5%) (three phase current, with earthing and neutral conductor), 3x 16A (type B or C circuit breaker or slow blow screw in plug fuse), incl. Phase inverter switch
 - Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
 - Power rating: 5,5kW
 - Blower: 2x high-powered radial fans with 3,6kW total power
 - Conveying pressure: max. 390 mbar
 - Air flow (nominal/gauged): 390/370 m³/h
 - Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
 - Airlock chamber ventilation for optimal processing throughputs
 - Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75, 1x spare air filter, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- NW90 discharge nozzle (instead of NW75): This increases the output or material throughput by approx. 35% to 1,460 kg/h. (prod. No. 7109)
- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Direct extension NW75>90 (3">3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3">2,5") (prod. No. 526) or NW75>50 (3">2") (prod. No. 1972)
- Airlock feed gate (prod. No. 3194)
- Quick coupling for outlet (prod. No. 172)
- Reinforced rotary airlock (prod. No. 6719)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

Zellofant M95-400/7.0kW-SE insulation blowing machine**Art. 6908**

Klick hier (Image similar)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 165 kg/m³ packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Three high-powered radial fans generate the required air power effortlessly. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/3x 16A electrical connection.

For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1080 kg/h (with version 7,3 kW up to 1255 kg/h), depending on application, material and delivery
- Hopper volume: 0,44 m³
- Dimensions: 800 x 1425 (D x H)
- Empty weight: 185 kg

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- Filling height: 1425 mm
- Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/50Hz (+/- 5%) (three phase current, with earthing and neutral conductor), 3x 16A (type B or C circuit breaker or slow blow screw in plug fuse), incl. Phase inverter switch
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 7,0 kW (optional 7,3 kW)
- Blower: 3x high-powered radial fans with 5,0kW total power
- Conveying pressure: max. 400 mbar
- Air flow (nominal/gauged): 590/540 m³/h
- Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75, 1x spare air filter, machine folder incl. Operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- NW90 discharge nozzle (instead of NW75): This increases the output or material throughput by approx. 35% to 1,460 kg/h. (prod. No. 7109)
- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Direct extension NW75>90 (3">3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3">2,5") (prod. No. 526) or NW75>50 (3">2") (prod. No. 1972)
- Airlock feed gate (prod. No. 3194)
- Quick coupling for outlet (prod. No. 172)
- Reinforced rotary airlock (prod. No. 6719)
- Airlock with outlet socket NW90 (3,5") (prod. No. 7109)
- Zellofant M95-400V-7,0kW Update to 7,3kW - Var.2 (prod. No. 6909)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

Zellofant M95-400/7,3kW-SE insulation blowing machine**Art. 10581**

Klick me! (Image similar)

Insulation blowing machine for processing certified insulation materials, e.g. cellulose, wood fibre, mineral fibre as well as granules and other materials. Due to its compact design, the machine is ideally suited for mobile use on-site.

Important features:

The 3-stage material conditioning unit with one rotating shredding arm, one replacement grid and one rotating rake unit can easily break up and finely shred highly compacted processing materials (max. 165 kg/m³ packing density, humidity according to the limits given in the certification, but less than 15%). The material flow volume can be set by the airlock rotor's rotational speed (Optionally, an airlock feed gate is available.). Three high-powered radial fans generate the required air power effortlessly and can be used for suction purposes, too. All important machine settings can be set directly from the injection point by cable or radio remote control. The machine is equipped with one 400V/3x 16A electrical connection.

For more information, see product data sheet.

Technical details:

- Power/material throughput: up to 1255 kg/h, depending on application, material and delivery
- Hopper volume: 0,44 m³
- Dimensions: 800 x 1425 (D x H)
- Empty weight: 185 kg
- Filling height: 1425 mm
- Conditioning: 1x shredding arm, 1x replacement grid, 1x rake unit
- Material setting: controllable via control by setting the airlock rotor's rotational speed or manually by setting the airlock feed gate (optional)
- Machine control: cable control KFB2000 (standard) or FFB2000/FFB2000-Pro (optional)
- Electrical connection: 1x 400V/50Hz (+/- 5%) (three phase current, with earthing and neutral conductor), 3x 16A (type B or C circuit breaker or slow blow screw in plug fuse), incl. phase inverter switch
- Inside the insulation blowing machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Power rating: 7,3 kW
- Blower: 3x high-powered radial fans with 5,4kW total power
- Conveying pressure: max. 400 mbar
- Air flow (nominal/gauged): 585/500 m³/h
- Outlet: NW75 (3") (direct reduction/extension to NW63 (2,5"), NW50 (2") or NW90 (3,5") possible)
- Airlock chamber ventilation for optimal processing throughputs
- Incoming air filter with quick fastener, NW90 intake air duct
- (All values are approximate)

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Scope of delivery:

- Fully functional insulation blowing machine, consisting of machine base with wheels and hopper
- Basic machine set, consisting of:
 - 1x small-parts case with 1x cable remote control KFB2000 and carrying belt, 1x pressure gauge, 1x control cabinet key, 1x open-ended spanner SW24, 1x socket spanner SW13, 1x silicone spray, 1x double open-ended spanner SW 10x13, 1x 230V/10m power cable (earthed-CEE), 1x 50m control cable ring, approx. 2m NW90 air suction hose, 1x hose clamp NW90, 1x quick-connect hose clamp NW75, 1x spare air filter, machine folder incl. operating instructions, inspection records and EC declaration of conformity

Optional equipment:

- NW90 discharge nozzle (instead of NW75): This increases the output or material throughput by approx. 35% to 1,690 kg/h. (prod. No. 7109)
- Radio remote control FFB2000 -Pro instead of cable remote control (prod. No. 5243 or 5154)
- Direct extension NW75>90 (3" > 3,5") (prod. No. 6746, conveyor line NW90 (3,5") necessary)
- Direct reducer NW75>63 (3" > 2,5") (prod. No. 526) or NW75>50 (3" > 2") (prod. No. 1972)
- Airlock feed gate (prod. No. 3194)
- Quick coupling for outlet (prod. No. 172)
- Reinforced rotary airlock (prod. No. 6719)
- Amplifier-/vacuum stations
- Insulation blowing tools (various prod. No.)
- For more accessories, see price list / available on request

03	Machine accessories	Controls, exhibition models, adapters, etc.
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Direct reducer piece NW63>50 (2½">2") (M99-NW63 before year 02/2018)**Art. 2862**

Klick me! (Image similair)

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW63 (2½") (applicable before year 02/2018)
Outlet diameter: NW50 (2")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Direct reducer piece NW75>50 (3">2")**Art. 1972**

Klick me! (Image similair)

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW75 (3") (e.g. EM5XX-NW75, EM4XX-NW75, EM3XX-NW75, M95-NW75)
Outlet diameter: NW50 (2")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Direct reducer piece NW75>63 (3">2½")**Art. 526**

Klick me! (Image similair)

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW75 (3") (e.g. EM5XX-NW75, EM4XX-NW75, EM3XX-NW75, M95-NW75)
Outlet diameter: NW63 (2½")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

EM100: Support for bags**Art. 4714**

Klick me! (Image similair)

Use: Support for bags and cover, suitable for the EM100 blowing machine.
Incl. support bracket, ready for attachment to the hopper.

EM400/500: Optional add-on AE - blow-off unit**Art. 4038**

Klick me! (Image similair)

Pressure control unit consisting of weighted pistons and air outlet holes in the cylinder. With the adjustable weighted discs, desired maximum pressure can be selected.

Responsive pressure control. This is especially advantageous for pressure sensitive retaining board material and airtight construction (plaster board, etc.).

Consists of:

- Fully assembled blower unit.
- Slide gate weight: 3 x 0,4 kg, 3 x 1,0 kg, 1 x 2,0 kg
- Safety catch
- Scatter diagram of weight loading / Maximum pressure

+++++

This item can NOT be added to an EM440-3x230V-10kW

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03 Machine accessories Controls, exhibition models, adapters, etc.

For this model please use Art.-Nr. 6526

+++++

SW13 combination spanner with ratchet

Art. 3000

SW13



Klick me! (Image similar)

KFB 30-7p - Hand-held control

Art. 2459

Hand-held control for the insulation blowing machines EMX90, EMX250, EM100 and M99-Standard and -DS up to and including series F.



Klick me! (Image similar)

With toggle switch for:
- Air ON
- Air and material ON
- OFF (center position)

Including connection cable (approx. L=0,5m) and plug (Contact 7+1)

Optional accessories:

- Extension cable L=25m (prod. no. 1655)
- Extension cable L=50m (prod. no. 1814)

KFB 3-7p - Hand-held control

Art. 3821

Hand-held control for the insulation blowing machines EMX90, EMX250, EM100 and M99-Standard and -DS up to and including series F.



Klick me! (Image similar)

With toggle switch for:
- Air ON
- Air and material ON
- OFF (center position)

Including connection cable (approx. L=0,5m) and plug (Contact 7+1)

Optional accessories:

- Extension cable L=25m (prod. no. 1655)
- Extension cable L=50m (prod. no. 1814)

KFB2000 - operating unit

Art. 1497

Can be adapted to radio remote control FFB-FM.

Equipped with: 0.2 to 0.5m protected control cable; 8-pole circular contact plug

+++++ Note: system change +++++

From 2009 onwards we will only use lock-twist plugs.

Please check the thread of existing cable and extension sockets.

Sockets with damaged threads must be replaced.

+++++



Klick me! (Image similar)

Options:

- Velcro return fastener L=350mm, black (Art.-No. 10950. 2 pieces)
- Control cable 25m PUR, ring (7-core, contact-plug/-socket) (Prod.-Nr. 2015)
- Control cable 50m PUR, ring (7-core, contact-plug/-socket) (Prod.-Nr. 2166)
- Control cable 5m PUR, ring (7-core, contact-plug/-socket) (Prod.-Nr. 5217)

Master-slave control 24V= / 230V~

Art. 1057

Spec.: Control side connection with 4-pin plug and attachment device M95 Zellofant, M99 Minifant, M03 Turbofant (can also be used with other machines), length of plug-end of cable. approx. 1.5m, length of socket-end of cable approx. 0.5m

Output 1x230V, 12 A with IN/OUT blower function with loose cable ends, earthed coupling and plug.

Maximum power requirement: 3kW



Klick me! (Image similar)

Exhibition model Zellofant M95/EM300

Art. 3020

Model for demonstrating the blow-in process.

Attaches to Zellofant M95/EM3X0, suitable for cellulose and wood fibre.

Optimal Zellofant-adjustment: automatic shut down at 120 mbar

Included:

- 2,5m conveyor hose NW75
- 2x hose clamps NW75
- 1x socket spanner SW13



Klick me! (Image similar)

Required / recommended accessories:

- Short hopper top piece. Product no. 4812
- KFB control cable L=5m, product no. 5217

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03 Machine accessories Controls, exhibition models, adapters, etc.

Optional: customer specific advertising sticker upon request

Dimensions: Approx.: (L x W x H) 112 x 86 x 118

Exhibition Model, Compact**Art. 3132**

Klick me! (Image similar)

Model for demonstrating the blow-in process.

Attachment for Minifant M99 or Zellofant M95 with adapter plate, suitable for cellulose and wood-fibre and other free-flowing bulk materials.

Necessary / recommended accessories:

- Minifant M99 or Zellofant M95
- For Zellofant, medium-height hopper top piece where necessary, product. no. 2848
- KFB control cable L=5m, product no. 1119
- Zellofant adapter plate (product no. 3135)
- Transport crate (product no. 3134)

Optional: customer-specific advertising label on request – graphic data must be supplied

Dimensions: (L x W x H) 86 x 100 x 120cm

Exhibition Model, compact: adapter plate**Art. 3135**

Klick me! (Image similar)

Adapter plate for 'Exhibition Model, Compact'. (For Zellofant M95)

Dimensions (approx.): (D x H) 85 x 2.5 cm

Minifant: Retention grid for M99 hopper**Art. 2940**

Klick me! (Image similar)

Optionally, when processing bulk materials. Serves as a contact protection as well. Powder coating red.

Without finely woven insertion grid.

Finely woven insertion grid (prod. no. 8148)

Minifant: Sack support**Art. 3474**

Klick me! (Image similar)

Use: Practical support for bags and hopper cover suitable for the M99 Minifant.

Ready for attachment to the hopper top piece. Extension including support bracket.

Mains voltage display**Art. 4604**

Klick me! (Image similar)

Suitable for use with the following machines:

- M99, all models
- M95, 230V
- EM320-2x230V
- EM325, EM345, EM365 (230V- additional connection)
- EM440-400V (up to 3 pieces)

Use:

Detects fluctuating or low voltage supplies.

Sometimes power supplies collapse under load, which means, that at a standstill of the machine its full voltage is available, but as soon as the (additional) fans are switched on the supply voltage collapses. Recognizing this isn't possible with a simple stand-by LED.

Digital display of the supply voltage of to the 230V connection.

Large, easy to read and a bright LED digital display from 85 to 264 volts.

100 x 150 cm woven polypropylene bag**Art. 801**

Klick me! (Image similar)

100 x150cm woven polypropylene bag, blue/white or blue/blue, made of PP 80/I (hem at top)

+++10% discount when purchasing more than 20 sacks +++

+++15% discount when purchasing more than 50 sacks+++

100 x 150 cm woven polypropylene bag**Art. 10614**

Klick me! (Image similar)

100 x150cm woven polypropylene bag, blue/white or blue/blue, made of PP 80/I (hem at top)

+++10% discount when purchasing more than 20 sacks +++

+++15% discount when purchasing more than 50 sacks+++

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70x110cm woven polypropylene bag

Art. 1085



Bag made out of high-strength, air permeable and filterable woven polypropylene, with top seam (suitable for suction drum V=115l prod. no. 1160)
 +++ 10% discount when purchasing more than 20 bags +++
 +++ 15% discount when purchasing more than 50 bags +++

Klick me! (Image similar)

SW13 hexagonal socket spanner

Art. 832



Hexagonal socket spanner with square handle, wrench size: 13, blade length: 125mm

Klick me! (Image similar)

Electric generator XE exhaust hose

Art. 10292



Suitable for XE14KW electric generator (product 4585) and for XE10KW (Product 4978)
 Flexible metal hose for removal of exhaust gases.
 Length: 1.5 M
 (not suitable for enclosed spaces)

Klick me! (Image similar)

Power generator XM17kVA/13.6kW petrol (IP54)

Art. 11424



Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers.

Technical data

- Electronic fuel injection
- Automatic starter (auto-choke), electric start
- Auto-idle function as standard
- Electronic voltage regulation "AVR"
- Brushless alternator with IP 54 protection
- Insulation monitor
- Air cooling
- Magneto-thermal switch
- Differential switch
- Complies with German regulation DGUV-I 203-032
- Conforms to CE directives
- Dimensions [mm]: 935 x 525 x 645 (L x W x H)
- Weight [mm]: approx. 175kg
- Running time (75% of PRP) 3.8h
- Maximum power mains stand-by 16.8 kWm (22.8 hp)
- Maximum power grid PRP 13.3 kWm (18 hp)
- Maximum power mains COP /
- Speed controller Electronic
- Fuel tank capacity 18 lt.
- Fuel Petrol
- Fuel consumption: 110 % (power stand-by) 6.9 lt./h, 100 % of PRP 6.3 lt./h, 75 % of PRP 4.7 lt./h, 50 % of PRP 3.2 lt./h
- Connection sockets: 1x400V/32A (power 21.6A) CEE, 2x 230V/16A Schuko (total power 30.4A)

For example, suitable for the following machine types:

- EM400, EM430, EM440-3x230V, EM440-400V, EM440-400V+230V
- EM3XX
- M95-230V, M95-2x230V, M95-400V
- M99, M99-DS and M99-DS-Pro
- VS28 and VS33
- and many more.

Options:

- Power generator XM: Chassis CTM10 (art. no. 10395)
- Mains adapter 400V/32A>400V/16A, with connection cable 1.5m (art. no. 9115) (required for all machines with 400V/16A connection)
- Net adaptor 400V / 32A > 2x400V / 16A (art. no 7272)
- Mains adapter distributor 400V/32A (art. No. 3404)
- Power generator XM: Exhaust hose L=approx. 1m, complete (item no. 10292)

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03 Machine accessories Controls, exhibition models, adapters, etc.

Power generator XM17kVA/13.6kW petrol (IP54)

Art. 11425

Power generator for operating an X-Floc insulation blow-in machine and suitable machines and consumers.



Klick me! (Image similar)

Technical data

- Electronic fuel injection
- Automatic starter (auto-choke), electric start
- Auto-idle function as standard
- Electronic voltage regulation "AVR"
- Brushless alternator with IP 54 protection
- Insulation monitor
- Air cooling
- Magnetothermal switch
- Differential switch
- Complies with German regulation DGVU-I 203-032
- Conforms to CE directives
- Dimensions [mm]: 935 x 525 x 645 (L x W x H)
- Weight [mm]: approx. 175kg
- Running time (75% of PRP) 3.8h
- Maximum power mains stand-by 16.8 kWm (22.8 hp)
- Maximum power grid PRP 13.3 kWm (18 hp)
- Maximum power mains COP /
- Speed controller Electronic
- Fuel tank capacity 18 lt.
- Fuel Petrol
- Fuel consumption: 110 % (power stand-by) 6.9 lt./h, 100 % of PRP 6.3 lt./h, 75 % of PRP 4.7 lt./h, 50 % of PRP 3.2 lt./h
- Connection sockets: 1x400V/32A (power 21.6A) CEE, 2x 230V/16A Schuko (total power 30.4A)

For example, suitable for the following machine types:

- EM400, EM430, EM440-3x230V, EM440-400V, EM440-400V+230V
- EM3XX
- M95-230V, M95-2x230V, M95-400V
- M99, M99-DS and M99-DS-Pro
- VS28 and VS33
- and many more.

Options:

- Power generator XM: Chassis CTM10 (art. no. 10395)
- Mains adapter 400V/32A>400V/16A, with connection cable 1.5m (art. no. 9115) (required for all machines with 400V/16A connection)
- Net adaptor 400V / 32A > 2x400V / 16A (art. no. 7272)
- Mains adapter distributor 400V/32A (art. No. 3404)
- Power generator XM: Exhaust hose L=approx. 1m, complete (item no. 10292)

Power generator XM: Hand chassis CM8

Art. 9821

Hand chassis for XM series generators up to 6.0kW, retrofittable.



Klick me! (Image similar)

Suitable for:

- Power generator XM5kVA/4.5kW (art. no. 9583)
- Power generator XM6.7kVA/6kW (art. no. 9584)

Stromerzeuger XM: Trolley CTM10

Art. 10395

Trolley suitable for power generators from 9.0kW on, retrofit



Klick me! (Image similar)

VS: Suction drum V=115l

Art. 1160

Suction drum for cleaning or deconstruction in connection with a suitable blow-in machine or an amplifier suction station consisting of:

- Swivelling lid with quick release fastener
- Dimensions: approx. 460x910mm (DxH)
- Weight: approx. 20kg
- Max. permissible negative pressure: -0.5bar
- Material suction connection: NW75 (3")
- Connection air suction: NW75 (3")
- Bag made of PP-tape fabric 70x110cm (5 pieces art.-no. 1085)
- 1,5m delivery hose NW75
- Hose clamp NW75 (3"), quick-release clamp with hook (2 pieces item no. 223)
- Reducing piece PE NW75>63 (item no. 3768)



Klick me! (Image similar)

Notes:

- In conjunction with the suction drum, all injection machines with sealed suction filter system (example M99, EM3XX, EM4XX, EM5XX) can be used for cleaning or deconstruction work.

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03 Machine accessories Controls, exhibition models, adapters, etc.

- On request, reducer PE NW75>63 (art. No. 3768) can be replaced by reducer PE NW75>50 (art. No. 3769) (please specify when ordering).

Options:

- EM4XX: Reducer tube PE 90>76 with O-Ring (prod. No. 5145)

Typical key figures for the suction of cellulose:

Filling of approx. 12kg/bag is achieved after approx. 2.5 minutes, bag change requires approx. 20 seconds. This corresponds to a suction capacity of approx. 255 kg/h.

VS: Suction drum V=250L

Art. 3075



Klick me! (Image similar)

- Dimensions: 63 x 100 cm (D x H)
Comfortable processing of large volumes of material.
Ready for use with woven polypropylene sacks. Incl:
- Hinged lid with quick seal
 - Material suction connection: 3"
 - Air extraction connection: 3"
 - Five 100 x 150 woven polypropylene sacks
 - 1.5 m NW 75 conveyor hose
 - Two NW 75 quick-connect clamps
 - One 75>63 plastic reducer tube (Standard) or alternatively 75>50
 - Weight: approx. 31kg
 - Max. permissible negative pressure: -0.5bar

Standard suction speed for cellulose:

One 19 kg sack is filled within 3.5 minutes (approx.). Approx. 20 seconds is required to change sack.

Therefore suction rate is approx. 280 kg/h.

MW100-50 replacement grid

Art. 4164



Klick me! (Image similar)

Description: Replacement grid for cellulose, rock wool and similar, suitable for the zellofant M95.
The new grid geometry allows for better material conditioning.
The narrow mesh opening above the airlock prevents insufficiently shredded material from falling into the airlock.
Powder coated finish
Colour: fiery red RAL3000, glossy

Zellofant: Retention grid for M95 hopper

Art. 2941



Klick me! (Image similar)

Optional accessory for processing loose bulkware. With a fine wire mesh for insertion into the hopper top piece.
Red, powder coated finish

Zellofant: Upgrade outlet connection NW90 (3½") instead of NW75 (3")

Art. 11018

Bild leider nicht
verfügbar

Optimised discharge nozzle for direct connection of hose lines with NW90 (3½").
Power increase measured up to 35% compared to the standard with NW75(3").

Note/options:

- Direct reduction NW90>75 or NW90>63 on request.

Image not available

Klick me! (Image similar)

Zellofant support for bags

Art. 4791



Klick me! (Image similar)

Ergonomic support for bags allows comfortable and easy bag loading.
Consists of:

- Sturdy aluminium support for bags with support bracket.

Zellofant: Airlock slide gate

Art. 3194



Klick me! (Image similar)

When ordered with a new machine, kit comes ready installed.
When ordered as an upgrade set, consists of 3 parts:

- Mounting bracket with chains and securing bolts (material: steel)
- Adjusting lever with 14 adjustment holes (material: steel)
- Airlock cover (material: stainless steel)

Note: tools and installation materials necessary

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03 Machine accessories Controls, exhibition models, adapters, etc.**Zellofant: Short hopper top piece****Art. 4812**

Klick me! (Image similar)

Shorter hopper top piece, suitable for M95 Zellofant
 H=approx. 75 cm (with bottom section of M95 machine, H= approx. 100cm)
 Hopper volume V =approx.. 0.3m³,
 Powder coated finish, incl. four handles, 3 securing clips and comes complete with stickers.

Optional extras:

- Support for bags (product no. 4791)
- Support for bags with dust reducing cover (product no. 3218)

+++ Important safety information: +++

The short hopper top piece is only CE approved when used in conjunction with a module which prevents reaching in to the machine (e.g. Support for bags with dust-reducing cover-product no. 3218) and with a health and safety policy in place. Safety without such a module is not guaranteed- the machine does not meet CE requirements because of the unsafe distance between the top of the machine and the material conditioning areas.

04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.**Sealing sponge NW50/NW63, 400x300x40****Art. 3947**

Klick me! (Image similar)

For sealing injection holes when using hoses NW50 or NW63

Technical details:

Material: foam, anthracite
 Dimensions: 400 x 300 x 40 mm
 Hole: d = approx. 50 mm

+++ discount of 15% when purchasing 5 or more pieces +++

Sealing sponge NW63/NW75, 400x300x40**Art. 292**

Klick me! (Image similar)

For sealing injection holes when using hoses NW63 or NW75

Technical details:

Material: foam, anthracite
 Dimensions: 400 x 300 x 40 mm
 Hole: d = approx. 60 mm

+++ discount of 15% when purchasing 5 or more pieces +++

DD: Rotary nozzle 50>24mm**Art. 852**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at critical connections (roof windows lining), cavities with rough surfaces (old mineral wool, coconut etc.), thin insulation layers, in case of rough surfaces e.g. plasters, on already existing insulations (mineral wool), large filling radii and the processing of loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 280 mm
- Overall length: 420 mm
- Nozzle pipe: inner diameter 21 mm, outer diameter 24 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: angled
- Bore hole: 25 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

DD: Drehdüse 50>24mm 90° sawn-off**Art. 2828**

Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at critical connections (roof windows lining), cavities with rough surfaces (old mineral wool, coconut etc.), thin insulation layers, in case of rough surfaces e.g. plasters, on already existing insulations (mineral wool), large filling radii and the processing of loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 235 mm
- Overall length: 380 mm
- Nozzle pipe: inner diameter 22 mm, outer diameter 24 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: 90°
- Bore hole: 30 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

DD: Rotary nozzle 50>29mm 90° sawn-off

Art. 4788



Klick me! (Image similiar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 302 mm
- Overall length: 445 mm
- Nozzle pipe: inner diameter 26 mm, outer diameter 30 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: 90°
- Bore hole: 35 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

DD: Rotary nozzle 50>29mm outlet spoon shape

Art. 544



Klick me! (Image similiar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 209 mm
- Overall length: 350 mm
- Nozzle pipe: inner diameter 26 mm, outer diameter 29 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: Cranked/moulded
- Bore hole: 30 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

DD: Rotary nozzle 50>35mm

Art. 3569



Klick me! (Image similiar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 195 mm
- Overall length: 337 mm
- Nozzle pipe: inner diameter 32 mm, outer diameter 35 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: angled
- Bore hole: 36-40 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

DD: Rotary nozzle 75>50mm

Art. 2997



Klick me! (Image similiar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 214 mm
- Overall length: 360 mm
- Nozzle pipe: inner diameter 47 mm, outer diameter 50 mm
- Hose connection: NW75 (3"), rotatable
- Nozzle outlet: angled
- Bore hole: 52 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

DDE: Rotary nozzle "X-Jet 63" for insulation thickness 40-300 mm

Art. 1708



Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

Advantages:

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process

Technical details:

- Dimensions: approx. 340 mm x 120 (L x D)
- Weight: approx. 1,5 kg
- Insulation thickness: 40-300 mm
- Hose connection: 63 mm (2,5")
- Suction connection: 40 mm
- Drill hole: 85 mm

Scope of delivery:

Rotary nozzle with sawn-off 90° pipe bend, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories:

- Hole saw with ejection system complete D=85,5mm (prod. no. 4977)
- Clamping ring system for fixing the rotary nozzle into the drill hole (prod. no. 2223)
- Tools- and storage case (prod. no. 534)
- Sealing corks VK85 s=25 (prod. no. 2208)
- Sealing plugs VS85 (wood fiber) (prod. no. 4675)

<https://www.x-floc.com/de/downloads/produktDatenblaetter-broschueren/?file=files/Downloads/Produkte/Duesen-Einblaszubehoer/X-Jet-en.pdf>

DDE: Rotary nozzle "X-Jet 63" with clamping ring for insulation thickness 40-300 mm

Art. 3843



Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

Advantages:

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process
- Clamping ring for fixation of the rotary nozzle into the drill hole

Technical details:

- Dimensions: approx. 340 mm x 120 (L x D)
- Weight: approx. 2,2 kg
- Insulation thickness: 40-300 mm
- Hose connection: 63 mm (2,5")
- Suction connection: 40 mm
- Drill hole: 106,5 mm

Scope of delivery:

Rotary nozzle with sawn-off 90° pipe bend, clamping ring, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories:

- Hole saw with ejection system complete D=85,5mm (prod. no. 4977)
- Hole saw HF (suited for wood fiber) 106,5mm (prod. no. 5917)
- Tools- and storage case (prod. no. 534)
- Sealing corks VK85 s=25 (prod. no. 2208)
- Sealing plugs VS85 (wood fiber) (prod. no. 4675)

DDE: Rotary nozzle "X-Jet 75" for insulation thickness 120-400 mm

Art. 1789



Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

Advantages:

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process

Technical details:

- Dimensions: approx. 410 mm x 160 (L x D)
- Weight: approx. 2,1 kg
- Insulation thickness: 120-400 mm, with distance ring up to 100 mm
- Hose connection: 75 mm (3")

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04	Nozzles and blowing	Nozzles, rotary nozzles, lances, needles, core cutters, etc.
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- Suction connection: 50 mm
- Drill hole: 106,5 mm

Scope of delivery:

Rotary nozzle with sawn-off 90° pipe bend, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories:

- Hole saw with ejection system complete D=106,5mm (prod. no. 4966)
- Hole saw HF (suited for wood fiber) 106,5mm (prod. no. 9145)
- Sealing corks VK106 (prod. no. 1948)
- Sealing plugs VS106 (wood fiber) (prod no. 4673)

DDE: Rotary nozzle "X-Jet 75" with clamping ring for insulation thickness 105-400 mm

Art. 2929



Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

Advantages:

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process
- Clamping ring for fixation of the rotary nozzle into the drill hole

Technical details:

- Dimensions: approx. 410mm x 160 (L x D)
- Weight: approx. 2,8kg
- Insulation thickness: 105-400mm
- Hose connection: 75mm (3")
- Suction connection: 50mm
- Required drill hole: 106,5mm

Scope of delivery:

Rotary nozzle with sawn-off 90° pipe bend, clamping ring, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories:

- Hole saw with ejection system complete D=106,5mm (prod. No. 4966)
- Hole saw Pro D= 106,5 mm complete (prod. No. 6182)

DDE: Rotary nozzle J-Jet 75>60 for 145-500 mm insulation thickness

Art. 3795



Klick me! (Image similar)

Ventilated rotary nozzle for injecting insulation material into stud wall constructions whilst suctioning excess air out of the cavity.

Advantages:

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process

Technical details:

- Dimensions: approx. 360 mm x 105 (L x D)
- Weight: approx. 2,6 kg
- Insulation thickness: 145-500 mm with sash lock as fixation, 105-145 mm applicable without fixation
- Panelling thickness: 0-75 mm due to adjustable flange
- Hose connection: 75 mm (3")
- Drill hole: 105-120 mm
- Pipe: outer diameter 60 mm

Scope of delivery:

Rotary nozzle with sawn-off pipe bend, sash lock as fixation in the drill hole, dust sack with zipper, carrying belt and operating instructions

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories:

- Hole saw with ejection system complete D=106,5mm (prod. No. 4966)

DDE: Rotary nozzle S-Jet 63 combined injection nozzle

Art. 4910



Klick me! (Image similar)

Ventilated special rotary hose nozzle for blowing insulation into stud wall constructions while removing the excess air from the compartment.

Advantages:

- Low component load due to deaeration
- Time saving
- Effort-saving operation
- Dust-free process

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

- Combination of hose and rotary nozzle blowing
- Optimised for blowing into walls and roof slopes

Technical data:

- Weight: approx. 2.7 kg (without hose)
- Insulation thickness: Can be used from an insulation thickness of approx. 160 mm
- Planking thickness: up to approx. 80 mm due to adjustable flange
- Conveying hose: NW63 (2.5"), L= 6.5 m (can be replaced by blow-in hose red or blue on request, please state when ordering if necessary)
- Drill hole: 105-120 mm (larger drill holes possible with adapter)

Scope of delivery:

Rotary nozzle with delivery hose NW63(2½), length=6.5m, reamer for fixing in the drill hole, dust bag with zip fastener and operating instructions

Detailed description: see flyer or under www.x-floc.com

Optional accessories:

- Hole saw with ejection system complete D=106,5mm (Art.-No. 4966)
- Hole saw HF D=106,5mm (Art.-No. 5917)
- Reducing connector NW75>63 (Art.-No. 1261)
- Swivel connector NW75 (Art.-No. 4451)
- Sealing plug 106 (Art.-No. 1948)
- Sealing plug 106 (Art.-No. 4673)

DDE: Clamping ring 106,5**Art. 2223**

Klick me! (Image similar)

Clamping ring for fixing the rotary nozzle into the drill hole (D= 106,5 mm) by using two tension levers. Suitable for rotary nozzles of type X-Jet 63 and X-Jet 75.

Advantages:

- Reduced risk of compartment deformation due to ventilation
- Time saving
- Effort saving operation
- Dust-free process
- Combination of hose- and rotary nozzle blowing
- Optimized for injecting stud wall constructions and roof slopes

Technical details:

- Material: aluminium, levers made of galvanized steel
- Weight: approx. 0,8 kg
- Clamping range: 106,5-108 mm, extended clamping range 108-109 mm for oversized drill holes

Scope of delivery:

Clamping ring with each 6 fastening screws, washers, locknuts and installation instructions

Optional accessories:

- Hole saw with ejection system complete D=106,5mm (prod. no. 4966)
- Hole saw HF (wood fiber) D=106,5mm (prod. no. 5917)
- Hole Saw Pro D=106,5mm complete (prod. no. 6182)

hole saw 106mm with quick change adapter for wood materials, plastics**Art. 9290**

Klick me! (Image similar)

Applications:

- Injection openings in any wood materials
- Installation and series drilling with high precision
- Solid wood, OSB, chipboard, veneered chipboard, plywood, screen printing plates, laminate, MDF, HDF
- Plastics (PVC, PE, PP, GFRP, acrylic glass, polycarbonate synthetic resin, for example Pertinax, Trespa, Formica etc.)

Advantages

- short drilling times and associated time savings
- excellent smoothness, precise concentricity, high dimensional stability
- fast hole saw change and easy core removal by quick change adapter
- very good surface quality of the drilling, often no deburring required
- optimal chip removal due to extra large chip spaces
- low heat development, no catching, secure centering
- very long service life
- Drilling depth 70 mm

Scope of delivery:

Complete hole saw consisting of holder, center drill, bayonet lock and drill bit

Spare parts:

- Quick change adapter for hole saw (prod. No. 9286)
- Hole saw 85 mm for plastic, wood and wood-based materials (prod. No. 9288)

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

hole saw 85mm with quick change adapter for wood materials, plastics

Art. 9289



Klick me! (Image similar)

Applications:

- Injection openings in any wood materials
- Installation and series drilling with high precision
- Solid wood, OSB, chipboard, veneered chipboard, plywood, screen printing plates, laminate, MDF, HDF
- Plastics (PVC, PE, PP, GFRP, acrylic glass, polycarbonate synthetic resin, for example Pertinax, Trespa, Formica etc.)

Advantages

- short drilling times and associated time savings
- excellent smoothness, precise concentricity, high dimensional stability
- fast hole saw change and easy core removal by quick change adapter
- very good surface quality of the drilling, often no deburring required
- optimal chip removal due to extra large chip spaces
- low heat development, no catching, secure centering
- very long service life
- Drilling depth 70 mm

Scope of delivery:

Complete hole saw consisting of holder, center drill, bayonet lock and drill bit

Spare parts:

- Quick change adapter for hole saw (prod. No. 9286)
- Hole saw 85 mm for plastic, wood and wood-based materials (prod. No. 9287)

DDE: Hole saw HF 106,5mm with Ejection System

Art. 9145



Klick me! (Image similar)

Especially developed hole saw for drilling wood fiber insulation boards*), manufactured with dry process. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Special cutting geometry
- Extremely thin cutting edge, perfect drilling result
- Drill core can be reused for closing the drill hole
- Easy removal of the drilling core through practical ejection mechanism
- Resharpener with sharpening stone possible
- Short drilling times

Technical details:

- Weight: approx. 0,6 kg
- Cutting depth: approx. 85 mm
- Drill hole: 106,5 mm
- Clamping spigot for drill chuck: 11 mm

Scope of delivery:

Hole saw in plastic threaded box and operating instructions

Note: When drilling water-repellent material, the use of water-resistant sealant adhesive will be recommended.

*) Examples: Multitherm, Top, Room, Floor, Wall, Flex, Multiplex-Top, Ultratherm, Thermosafe, Thermoflex, Thermoflat, Thermoinstal, Thermoroom, Thermofloor, Thermowall, Isolair, Diffuboard, Pavatherm, Pavawall, Universal dry, Special dry, Safe, Protect dry, Duo dry, Flex, Roof dry, Therm dry, Install, Top, Steico Universal, etc.

For a more detailed description: see flyer or visit www.x-floc.com

+++ discount of 10% when purchasing 2 or more, discount of 15% when purchasing 5 or more +++

DDE: Hole saw HF 120mm with Ejection System

Art. 9334



Klick me! (Image similar)

Especially developed hole saw for drilling wood fiber insulation boards*) manufactured with dry process. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Special cutting geometry
- Extremely thin cutting edge, perfect drilling result
- Drill core can be reused for closing the drill hole
- Resharpener with sharpening stone possible
- Short drilling times

Technical details:

- Weight: approx. 0,5 kg
- Cutting depth: approx. 85 mm
- Drill hole: 120 mm
- Clamping spigot for drill chuck: 13 mm

Scope of delivery:

Hole saw in plastic threaded box and operating instructions

Note: When drilling water-repellent material, the use of water-resistant sealant adhesive will be recommended.

*) Examples: Multitherm, Top, Room, Floor, Wall, Flex, Multiplex-Top, Ultratherm, Thermosafe, Thermoflex, Thermoflat,

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Thermoinstal, Thermoroom, Thermofloor, Thermowall, Isolair, Diffuboard, Pavatherm, Pavawall, Universal dry, Special dry, Safe, Protect dry, Duo dry, Flex, Roof dry, Therm dry, Install, Top, Steico Universal, etc.
For a more detailed description: see flyer or visit www.x-floc.com

+++ discount of 10% when purchasing 2 or more, discount of 15% when purchasing 5 or more +++

DDE: Hole saw HF 85mm with Ejection System**Art. 9335**

Klick me! (Image similar)

Especially developed hole saw for drilling wood fiber insulation boards*), manufactured with dry process. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Special cutting geometry
- Extremely thin cutting edge, perfect drilling result
- Drill core can be reused for closing the drill hole
- Easy removal of the drilling core through practical ejection mechanism
- Resharpening with sharpening stone possible
- Short drilling times

Technical details:

- Weight: approx. 0,6 kg
- Cutting depth: approx. 85 mm
- Drill hole: 85 mm
- Clamping spigot for drill chuck: 13 mm

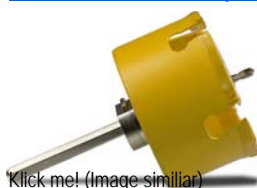
Scope of delivery:

Hole saw in plastic threaded box and operating instructions

Note: When drilling water-repellent material, the use of water-resistant sealant adhesive will be recommended.

*) Examples: Multitherm, Top, Room, Floor, Wall, Flex, Multiplex-Top, Ultratherm, Thermosafe, Thermoflex, Thermoflat, Thermoinstal, Thermoroom, Thermofloor, Thermowall, Isolair, Diffuboard, Pavatherm, Pavawall, Universal dry, Special dry, Safe, Protect dry, Duo dry, Flex, Roof dry, Therm dry, Install, Top, Steico Universal, etc.
For a more detailed description: see flyer or visit www.x-floc.com

+++ discount of 10% when purchasing 2 or more, discount of 15% when purchasing 5 or more +++

DDE: Hole saw with ejection system complete D= 102 mm**Art. 7537**

Klick me! (Image similar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 102 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. No. 6492)

DDE: Hole saw with ejection system, complete D=102mm LONG**Art. 8147**

Due to its unique shaft system, drill cores can easily be removed in seconds!



Klick me! (Image similar)

Characteristics:

- Carbide tipped cylinder saw, D=102mm with complete drill spindle
- Cutting depth approx. 160mm
- A guiding pin (L=165mm) enables an even drilling
- Especially suited for wood, chip board, coated particle boards, hardboard, PVC, prepreg, plaster board, aerated concrete, clay tiles, ylong stone, tiles (up to a scratch hardness 6) and many more
- Large tooth pitch enables an optimal chip removal even at maximum depth
- Clogging or seizures of the carbide teeth is excluded

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

Notes:

- A hole with a diameter of approx. D=10mm needs to be pre-drilled in order to use the guiding pin
- Unsuitable for percussion drilling
- Always tighten the three clamping surfaces of the shaft
- Only use with hand-feed and hand drills

DDE: Hole saw with ejection system complete D= 105 mm**Art. 10025**

Due to its unique shaft system, drill cores can easily be removed in seconds!

Characteristics:

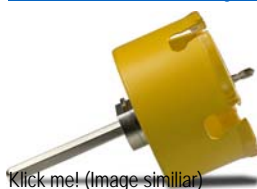
- Carbide tipped cylinder saw, D=105mm with complete drill spindle
- Drill holes suitable for injection hoses, rotary nozzles of type x-jet, j-jet, s-jet or e.g. exhaust pipes and others
- Cutting depth approx. 58mm
- Especially suited for wood, chip board, coated particle boards, hardboard, PVC, prepreg, plaster board, aerated concrete, clay tiles, ylong stone and many more
- Large tooth pitch enables an optimal chip removal even at maximum depth. Clogging or seizures of the carbide teeth is excluded.

Notes:

- Unsuitable for percussion drilling
- Always tighten the three clamping surfaces of the shaft
- Only use with hand-feed and hand drills

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adapter (prod. no. 6492)

DDE: Hole saw with ejection system complete D= 106,5 mm**Art. 4966**

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,7 kg
- Cutting depth: approx. 58 mm
- Diameter: 106,5 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. No. 6492)

DDE: Hole saw with ejection system. complete D=108mm**Art. 5149**

Due to its unique shaft system, drill cores can easily be removed in seconds!

Characteristics:

- Carbide tipped cylinder saw, D=108mm with complete drill spindle
- Drill holes suitable for injection hoses, rotary nozzles of type x-jet, j-jet, s-jet or e.g. exhaust pipes and others
- Cutting depth approx. 58mm
- Especially suited for wood, chip board, coated particle boards, hardboard, PVC, prepreg, plaster board, aerated concrete, clay tiles, ylong stone and many more
- Large tooth pitch enables an optimal chip removal even at maximum depth. Clogging or seizures of the carbide teeth is excluded.

Notes:

- Unsuitable for percussion drilling
- Always tighten the three clamping surfaces of the shaft
- Only use with hand-feed and hand drills

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adapter (prod. no. 6492)

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04 Nozzles and blowing

Nozzles, rotary nozzles, lances, needles, core cutters, etc.

DDE: Hole saw with ejection system complete D= 120 mm

Art. 5282



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 120 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

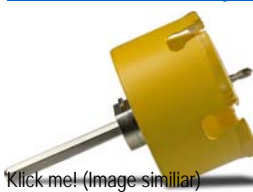
For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. No. 6492)

DDE: Hole saw with ejection system complete D= 138 mm

Art. 7901



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 138 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

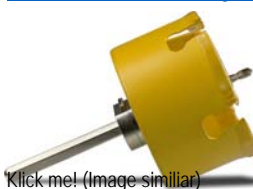
For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system complete D= 160 mm

Art. 7538



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 160 mm with complete seating

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Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system complete D= 185 mm

Art. 11026



Advantages:

- Unique shank system
- Easy removal of the drill core in seconds
- Short drilling times
- Large tooth pitch allows optimum chip removal even at maximum depth
- No clogging or burning of the carbide teeth
- Especially for wood, soft wood fiberboard, chipboard, coated wood board, hardboard, PVC, fiberglass material, gypsum plasterboard, aerated concrete, clay bricks, Yton bricks and much more.

Technical data:

- Material: carbide
- weight: approx. 1,5 kg
- Cutting depth: approx. 52 mm
- Diameter: 185 mm with complete holder

Notes:

- Unsuitable for percussion drilling
- Always clamp on the 3 clamping surfaces of the shank
- Use only with hand feed and only on hand drills

Optional accessories / spare parts:

- DDE: HSS drill bit for hole saw with ejection system (all sizes) (part no. 5032).
- Hole saw with ejection system: SDS adapter (Art.-No. 6492)

DDE: Hole saw with ejection system complete D= 200 mm

Art. 7539



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 200 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

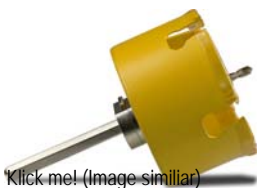
For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system complete D= 225 mm

Art. 7540



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

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Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 225 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

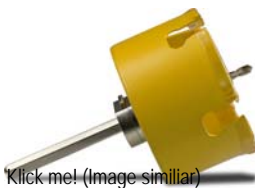
For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system complete D= 250 mm

Art. 7541



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 250 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

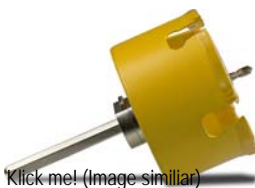
For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system complete D= 270 mm

Art. 7542



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 270 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

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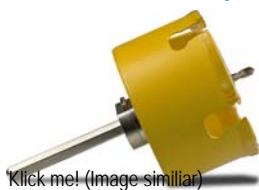
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04 Nozzles and blowing

Nozzles, rotary nozzles, lances, needles, core cutters, etc.

DDE: Hole saw with ejection system complete D= 330 mm

Art. 7543



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 58 mm
- Diameter: 330 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

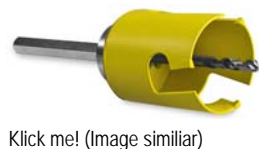
For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system. complete D=52mm

Art. 8836



Due to its unique shaft system, drill cores can easily be removed in seconds!

Characteristics:

- Carbide tipped cylinder saw, D=52mm with complete drill spindle
- Drill holes suitable for injection hoses, rotary nozzles of type x-jet, j-jet, s-jet or e.g. exhaust pipes and others
- Cutting depth approx. 58mm
- Especially suited for wood, chip board, coated particle boards, hardboard, PVC, prepreg, plaster board, aerated concrete, clay tiles, ylong stone and many more
- Large tooth pitch enables an optimal chip removal even at maximum depth. Clogging or seizures of the carbide teeth is excluded.

Notes:

- Unsuitable for percussion drilling
- Always tighten the three clamping surfaces of the shaft
- Only use with hand-feed and hand drills

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system complete D= 85,5 mm

Art. 4977



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,7 kg
- Cutting depth: approx. 58 mm
- Diameter: 85,5 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)

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04

Nozzles and blowing

Nozzles, rotary nozzles, lances, needles, core cutters, etc.

- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system: Drill body D=106.5mm

Art. 4983

Drill body with integrated ejection mechanism.



Klick me! (Image similar)

Advantages:

- Unique shank system
- Easy removal of the drill core in seconds
- Short drilling times
- Large tooth pitch enables optimum chip removal even at maximum depth
- No clogging or burning of the carbide teeth
- Especially for wood, softwood fibreboards, chipboards, coated wood boards, hardboard, PVC, glass fibre material, plasterboard, aerated concrete, clay bricks, Yton bricks and many more.

Technical data:

- Material: hard metal
- Weight: approx. 0.5 kg
- Cutting depth: approx. 58 mm
- Diameter: 106.5 mm

Hints:

- Unsuitable for percussion drilling
- Always clamp on the 3 clamping surfaces of the shank
- Use only with hand feed and only on hand drills

Suitable for:

- DDE: Hole saw with ejector system complete D=106.5mm (art.-no. 4966)

Accessories:

- DDE: Hole saw with ejection system: HSS drill bit (all sizes) (art.-no. 5032)
- Hole saw with ejection system: SDS adaptor (art.-no. 6492)

DDE: Drill bit 85.5mm with ejection system

Art. 4984

Use: Hole saw with ejection system, d = 85,5mm



Klick me! (Image similar)

DDE: Hole saw Pro HF D= 120mm / T= 75mm complete

Art. 4026

Cylinder saw for drilling injection holes. Suitable for drillings fit for injection hoses and rotary nozzles.



Klick me! (Image similar)

Advantages:

- Quick and easy removing of the drill core
- Short drilling times
- Optimized for wood fiber panels

Technical details:

- Material: hard metal
- Weight: approx. 1,1 kg
- Cutting depth: approx. 75 mm
- Diameter: 120 mm

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

DDE: Hole saw Pro HF D= 85mm / T= 75mm complete

Art. 3716

Cylinder saw for drilling injection holes. Suitable for drillings fit for injection hoses and rotary nozzles.



Klick me! (Image similar)

Advantages:

- Quick and easy removing of the drill core
- Short drilling times
- Optimized for wood fiber panels

Technical details:

- Material: hard metal
- Weight: approx. 0,8 kg
- Cutting depth: approx. 75 mm

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

- Diameter: 85 mm

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

DDE: Dust bag with connection up to D=50 mm

Art. 1543

Dust bag for passive ventilation of rotary nozzles, injection lances and wall studs.

Technical details:

- Material: cotton, with zipper
- Weight: approx. 0,1 kg
- Hose connection: 35-51 mm

Klick me! (Image similar)

- +++ discount of 10% when purchasing 3 or more pieces +++
- +++ discount of 15% when purchasing 5 or more pieces +++

DDE: Dust bag with connection up to D=76 mm

Art. 3445

Dust bag for passive ventilation of rotary nozzles, injection lances and wall studs.

Technical details:

- Material: cotton, with zipper
- Weight: approx. 0,1 kg
- Hose connection: 50-76 mm

Klick me! (Image similar)

- +++ discount of 10% when purchasing 3 or more pieces +++
- +++ discount of 15% when purchasing 5 or more pieces +++

Injection bezel NW50-75 (2"-3")

Art. 2911

Blow-in orifice with tear-resistant membrane for dust-tight insertion of NW50-NW90 blow-in and delivery hoses. Ideally suited for blow-in hose NW63 (2½").

Advantages:

- Easy blowing into wall and ceiling constructions with vapour control and air sealing membranes.
- Quick change of the blowing position by fixing the screen behind battens
- Adjustable stop rail for batten thicknesses of 20-44 mm (when the stop rail is turned upside down, the result is 5-28 mm) prevents the sealing membranes from being pressed in and damaged
- Flexible diaphragm with 30, 45 or 68mm (standard is D=45mm) allows insertion of hose sizes from NW50 to NW90

Klick me! (Image similar)

Technical data:

- Dimensions: 540 x 200 x 50 (L x W x H)
- Material: aluminium, plastic
- Weight: approx. 0,80 kg

Other versions possible, please specify when ordering:

- Diaphragm D=30mm for NW50 (2") (Art.-No. 2914, D=30)
- Diaphragm D=68mm for NW75 (3") (Art.-No. 2914, D=68)

Injection nozzle NW50>20

Art. 2688

Injection nozzle for injecting and repressing core insulation materials. (Hose reduction from NW50 to NW20)

Technical details:

- Diameter outer/inner: 20/17 mm
- Insertion length: approx. 185 mm
- Material: steel, powder-coated
- Weight: approx. 0,3 kg
- Hose connection: D=50 mm
- Required bore hole: >20 mm

Klick me! (Image similar)

Optional accessories:

- Hammer drill SDS+ 21mm (Art.-Nr. 11113)

Injection nozzle NW50>21 WE (with interchangeable pipe NW21, straight outlet)

Art. 4959

Rigid injection nozzle for injection and post-compaction of loose insulation materials.

Advantages:

- Exchangeable nozzle pipe, fastening by wing screw.
- Very long pipes can be used for large insertion depths

Klick me! (Image similar)

Technical data:

- Diameter pipe: approx. 21mm
- Insertion depth: approx. 130mm (standard)
- +++ other lengths are possible on request, please specify when ordering +++
- Total length: approx. 310mm
- Material: steel

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

- Weight: approx. 0.4 kg
- Hose connection: NW50 (2")
- Required drill hole: diameter >21mm

Optional accessories:

- Spacer Mat. PE D21 (Art.no. 6504)
- Hammer drill SDS+ shank 22mm (Art.no. 11221)

+++++

Working length (insert length) deviating from standard (130mm): _____ mm

+++++

Injection nozzle NW50>24 WE (with exchangeable pipe NW24, straight outlet)**Art. 11244**

Rigid injection nozzle for injection and post-compaction of loose insulation materials.



Klick me! (Image similar)

Advantages:

- Exchangeable nozzle pipe, fastening by wing screw.
- Very long pipes can be used for large insertion depths

Technical data:

- Diameter pipe: approx. 24mm
- Insertion depth: approx. 130 mm (standard)
- +++ other lengths are possible on request, please specify when ordering +++
- Total length: approx. 300 mm
- Material: steel
- Weight: approx. 0.4 kg
- Hose connection: NW50 (2")
- Required drill hole: diameter >24mm

Optional accessories:

- Spacer Mat. PE D24 (art. No. 2333)
- Hammer drill SDS+ shank 25mm (Art.-No. 11222)

+++++

Injection nozzle NW50>oval**Art. 1737**

Injection nozzle for injection and post-compaction of free-flowing bulk materials.



Klick me! (Image similar)

Technical details:

- Pipe length: approx. 250mm
- Diameter pipe: oval, approx. 75 x 14mm (other dimensions possible on request)
- Material: VA (stainless steel)
- Weight: approx. 0,4 kg
- Hose connection: NW50 (2")
- Required drill hole: diameter from 77 x 15mm

Injection nozzle, angled NW50>20**Art. 2826**Injection nozzle for injecting and repressing bulk materials.
(e.g. SLS20, Rigibead, Thermofill S, Styropor, etc.)

Klick me! (Image similar)

Technical details:

- Diameter inner/outer: 17/20 mm
- Insertion length: approx. 165 mm
- Pipe outlet: angled
- Material: steel, powder-coated
- Weight: approx. 0,4 kg
- Hose connection: D=50 mm
- Required drill hole: >20 mm

Injection lance NW75, telescope-**Art. 4626**

Ventilated telescope injection lance for the filling of lying or slightly inclined wall- and roof elements



Klick me! (Image similar)

Advantages:

- The expendable telescope injection lance enables a filling of very long elements
- Wide selection of lengths
- Easy to operate
- Enables an uniform distribution and compression of the insulation material
- Active/passive ventilation

Technical details:

- Useful lengths: 2000mm up to max. 11300mm
- The desired length needs to be specified when ordering

Delivery list with illustrations

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

- Outer pipe made of PE black, D=75
- Inner pipe made of aluminium, 50x1,5 (if required, optionally available as made of stainless steel)
- Ventilation connection for an active (vacuum station) or passive (dust bag) ventilation

Scope of delivery:

- Injection lance
- Dust bag
- Operating instructions

Optional accessories:

- VS: Amplifier-/vacuum station VS28 complete set 115 l (prod. No. 2886)
- VS: Amplifier-/vacuum station VS28 complete set 250 l (prod. No. 5017)
- VS: Amplifier-/vacuum station VS33 complete set 115 l (prod. No. 5939)
- VS: Amplifier-/vacuum station VS33 complete set 250 l (prod. No. 5940)
- DDE: Hole saw with ejection system complete D=85,5mm (prod. No. 4977)
- Reducer tube connector NW 75>50 (aluminium) (prod. No. 1262)

Alternative articles:

- Injection lance NW90/63, telescopic (art. No. 10254)

+++++ Specification required for an order +++++

The specification of the desired useful length is required for an order.

The useful length usually corresponds to the length of the longest compartment to be filled.

The retracted length is approx. 40cm more than the useful length divided by 2.

Example: Compartment length: 7.400mm --> Useful length = 7.400mm

The retracted length is then: 7,400 : 2 + 400mm = approx. 4,100mm

Required for the order Useful length L= _____mm

+++++

Injection lance round, NW75/50**Art. 2675**

Klick me! (Image similar)

Ventilated injection lance for the filling of lying or slightly inclined wall- and roof elements

Advantages:

- Wide selection of lengths
- Easy to operate
- Enables an uniform distribution and compression of the insulation material
- Active/passive ventilation

Technical details:

- Useful lengths: 2500 / 2800 / 3200 / 3500 / 3800 / 4700 / 5550 (all figures in mm)
- Overall lengths: 2950 / 3250 / 3650 / 3950 / 4250 / 5150 / 6000 (all figures in mm) The desired length needs to be specified when ordering.
- Outer pipe made of PE black, D=75
- Inner pipe made of aluminium, 50x1,5 (if required, optionally available as made of stainless steel)
- Ventilation connection for an active (vacuum station) or passive (dust bag) ventilation

Scope of delivery:

- Injection lance
- Dust bag
- Operating instructions

Optional accessories:

- VS: Amplifier-/vacuum station VS28 complete set 115 l (prod. no. 2886)
- VS: Amplifier-/vacuum station VS28 complete set 250 l (prod. no. 5017)
- VS: Amplifier-/vacuum station VS33 complete set 115 l (prod. no. 5939)
- VS: Amplifier-/vacuum station VS33 complete set 250 l (prod. no. 5940)
- DDE: Hole saw with ejection system complete D=85,5mm (prod. no. 4977)
- Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262)

Alternative article:

- Injection lance NW75, Telescope- (prod. no. 4626)

+++++ Specification required for an order +++++

The specification of the desired useful length is required for an order.

The useful length usually corresponds to the length of the longest compartment to be filled.

The total length is approx. 40cm more than the useful length.

Example: Compartment length: 3,200mm --> Useful length = 3-200mm

Required for the order Useful length L= _____mm

+++++

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.

[Sealing cork VK120](#)

Art. 4671



Klick me! (Image similar)

Sealing cork for closing injection holes.

Advantages:

- Best suitability for hard planking materials such as OSB, hard fiber, gypsum board, etc.
- Easy to use due to conical inlet
- Good hold and sealing due to cylindrical sealing surface
- Air and splash water tight

Technical data:

- Diameter: 120/123 mm
- Thickness: 25 mm
- Recommended drill hole: D=120...122,5mm

Quantity discount:

- from 100 pieces 3% discount
- from 250 pieces 5% discount
- from 500 pieces 8% discount
- from 1000 pieces 10% discount
- from 5000 pieces 12% discount

Remark:

From many years of experience, we know that the sealing corks are well suited for use with gypsum fiberboard and other planking materials. Discoloration or the like after plastering is not expected even after many years. There is no separate approval for the use of sealing corks in conjunction with gypsum fiberboard.

[Sealing cork VK30](#)

Art. 3626



Klick me! (Image similar)

Sealing cork for closing injection holes.

Advantages:

- Best suitability for hard planking materials such as OSB, hard fiber, gypsum board, etc.
- Easy to use due to conical inlet
- Good hold and sealing due to cylindrical sealing surface
- Air and splash water tight

Technical data:

- Diameter: 26/33 mm
- Thickness: 25 mm
- Recommended drill hole: D=26...32mm

Quantity discount:

- from 100 pieces 3% discount
- from 250 pieces 5% discount
- from 500 pieces 8% discount
- from 1000 pieces 10% discount
- from 5000 pieces 12% discount

Remark:

From many years of experience, we know that the sealing corks are well suited for use with gypsum fiberboard and other planking materials. Discoloration or the like after plastering is not expected even after many years. There is no separate approval for the use of sealing corks in conjunction with gypsum fiberboard.

[Sealing cork VK38](#)

ab Anzahl Art. 3838



Klick me! (Image similar)

Sealing cork for closing injection holes.

Advantages:

- Best suitability for hard planking materials such as OSB, hardboard, plasterboard etc.
- Easy to use due to conical inlet
- Good hold and sealing due to cylindrical sealing surface
- Air- and splash-proof

Technical data:

- Diameter: 35/40 mm
- Thickness: 25 mm
- Recommended drill hole: D=36...38mm

Quantity discount:

- from 100 pieces 3% discount
- from 250 pieces 5% discount
- from 500 pieces 8% discount
- from 1000 pieces 10% discount
- from 5000 pieces 12% discount

Remark:

From many years of experience, we know that the sealing corks are well suited for use with gypsum fibreboard and other planking materials. Discolouration or similar after plastering is not to be expected even after many years. A separate approval for the use of sealing corks in combination with gypsum fibre boards is not available.

500 Stück
700 Stück 5,00%

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04 Nozzles and blowing Nozzles, rotary nozzles, lances, needles, core cutters, etc.**Sealing cork VK65****Art. 2018**

Klick me! (Image similar)

Sealing cork for closing injection holes.

Advantages:

- Best suitability for hard planking materials such as OSB, hard fibre, plasterboard etc.
- Easy to use due to conical inlet
- Good hold and sealing due to cylindrical sealing surface
- Air- and splash-proof

Technical data:

- Diameter: 64/68 mm
- Thickness: 25 mm
- Recommended drill hole: D=64...67mm

Quantity discount:

- from 100 pieces 3% discount
- from 250 pieces 5% discount
- from 500 pieces 8% discount
- from 1000 pieces 10% discount
- from 5000 pieces 12% discount

Remark:

From many years of experience, we know that the sealing corks are well suited for use with gypsum fibreboard and other planking materials. Discolouration or similar after plastering is not to be expected even after many years. A separate approval for the use of sealing corks in combination with gypsum fibre boards is not available.

Sealing cork VK85**Art. 2208**

Klick me! (Image similar)

Sealing cork for closing injection holes.

Advantages:

- Best suitability for hard planking materials such as OSB, hard fibre, plasterboard etc.
- Easy to use due to conical inlet
- Good hold and sealing due to cylindrical sealing surface
- Air- and splash-proof

Technical data:

- Diameter: 84/88 mm
- Thickness: 25 mm
- Recommended drill hole: D=84...87mm

Quantity discount:

- from 100 pieces 3% discount
- from 250 pieces 5% discount
- from 500 pieces 8% discount
- from 1000 pieces 10% discount
- from 5000 pieces 12% discount

Remark:

From many years of experience, we know that the sealing corks are well suited for use with gypsum fibreboard and other planking materials. Discolouration or similar after plastering is not to be expected even after many years. A separate approval for the use of sealing corks in combination with gypsum fibre boards is not available.

05 Hoses and connectors Hoses, connectors, clamps, hose reels, switches, etc.**Injection hose NW38 (1½"), L=15m****Art. 777**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

Injection hose NW50 (2"), L=15m**Art. 167**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

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05 Hoses and connectors**Hoses, connectors, clamps, hose reels, switches, etc.****Injection hose NW63 (2½"). L=15m****Art. 166**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness characteristics. Tension belt included.

Colour: flame red

Advantages

- high stiffness, obstacles can be passed easily
- higher stiffness enables a better positioning inside the cavity, the cavity's end can be sensed

++ 10% discount when purchasing 3 or more hoses ++

Injection hose NW75 (3"). L=15m**Art. 074**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier

++ 10% discount when purchasing more than 3 hoses ++

Injection hose NW75 (3"). L=20m**Art. 4777**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: flame red

Advantages

- rigid design so can therefore be easily passed through barriers
- greater rigidity makes positioning the hose end to the cavity noticeably easier

++ 10% discount when purchasing more than 3 hoses ++

flexible injection hose NW63 (2½"). L=15m (blue)**Art. 4779**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: sky blue

Advantages

- Facilitates hose insertion into small insulation thicknesses or small injection holes.
- Better processing at low temperatures.

++ 10% discount when purchasing more than 3 hoses ++

flexible injection hose NW75 (3"). L=15m (blue)**Art. 4774**

Klick me! (Image similar)

Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.

Colour: sky blue

Advantages

- Facilitates hose insertion into small insulation thicknesses or small injection holes.
- Better processing at low temperatures.

++ 10% discount when purchasing more than 3 hoses ++

Fibre switch/material switch/pipe switch compact NW63>63**Art. 2809**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of wall and roof elements

Advantages

- Easy operation, diverting the material flow via hand lever
- Interruption-free filling of elements
- Possibility of switching over wide fields which are equipped with two hoses
- Possibility of multiple switching

Technical details

Dimensions: approx. 22cm

Weight: approx. 1,5kg

Material: stainless steel

Inlet: 1x NW63 (2½")

Outlet: 2x NW63 (2½")

Useful accessories

- Hose clamp NW63 (2½") (prod. no. 176)
- Injection hose NW63 (2½") (prod. no. 166/5238)

Fibre switch/material switch/pipe switch compact NW75>63**Art. 2810**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of wall and roof elements

Advantages

- Easy operation, diverting the material flow via hand lever
- Interruption-free filling of elements
- Possibility of switching over wide fields which are equipped with two hoses
- Possibility of multiple switching

Technical details

Dimensions: approx. 22cm

Weight: approx. 1,75kg

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05 Hoses and connectors Hoses, connectors, clamps, hose reels, switches, etc.

Material: stainless steel
Inlet: 1x NW75 (3")
Outlet: 2x NW63 (2½")

Useful accessories

- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW75 (3") (prod. no. 177)
- Injection hose NW63 (2½") (prod. no. 166/5238)
- Conveyor hose NW75 (3") (prod. no. 284)

Fibre switch/material switch/pipe switch compact NW75>75**Art. 2794**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of wall and roof elements

Advantages

- Easy operation, diverting the material flow via hand lever
- Interruption-free filling of elements
- Possibility of switching over wide fields which are equipped with two hoses
- Possibility of multiple switching

Technical details

Dimensions: approx. 22cm
Weight: approx. 1,8kg
Material: stainless steel
Inlet: 1x NW75 (3")
Outlet: 2x NW75 (3")

Useful accessories

- Hose clamp NW75 (3") (prod. no. 177)
- Injection hose NW75 (3") (prod. no. 074/4777)

Fibre switch/material switch/pipe switch pneumatic, 1-inlet**Art. 3846**

Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of elements

Advantages

- Easy operation, quick diverting of the material flow via remote control or an insulation blowing machine
- Interruption-free filling of elements
- Powerful drive, switches even in case of back pressure inside the hose
- Quick diverting between conveying and suctioning material
- Possibility of multiple switching

Technical details

Dimensions: approx. 480x275x130 (LxHxW)
Weight: approx. 8,3kg
Material: aluminium
Inlet: 1x NW75 (3")
Outlet: 2x NW75 (3")
Control input: 24V DC (standard)
Compressed air connection: Compressed air supply 6-10 bar/min. 55l/min.

Options

- Control input: deviating execution with 24V AC, 12V DC, 230V AC possible on demand
- Limit switch for connecting a SPS (prod. no. 4022)
- FFB 22 - 2-channel radio remote control, unidirectional (prod. no. 8229)
- Master-Slave cable for controlling via an insulation blowing machine (prod. no. 4341)
- Air compressor, small (prod. no. 4049)

Alternative and replacement articles

- Fibre switch/material switch/pipe switch pneumatic, 3-outlets (prod. no. 5179)
- Fibre switch/material switch/pipe switch compact NW75>75 (prod. no. 2794)

Conveying hose smooth NW38 (1½"), L=20m**Art. 414**

Klick me! (Image similar)

PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials.

Tension belt included.

++ 10% discount when purchasing more than 3 hoses ++

Conveying hose NW38 (1½"), L=20m, extra strong version**Art. 3822**

Klick me! (Image similar)

Type: Delivery hose NB38, L=20m, extra strong
Temp.: -40°C to 100°C

Applications: extraction and transport of abrasive, granular media

Features: very smooth bore, high abrasion resistance, good cold flexibility, oil and petrol-resistant, free of halogens and softeners

Minimum bending radius: ca. 100mm

Weight: ca. 0.8 kg/m








Max. working pressure / vacuum: 1.2bar / 0.5bar

Size: D=38.0 mm

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05	Hoses and connectors	Hoses, connectors, clamps, hose reels, switches, etc.	
	Material: PU / steel wire Including retaining belt.		
	<u>Conveying hose smooth NW50 (2"), L=20m</u>		Art. 329
	PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials. Tension belt included. ++ 10% discount when purchasing more than 3 hoses ++		
Klick me! (Image similar)	NW50 L=20m		
	<u>Conveying hose with earthing braid NW50 (2"), L=20m</u>		Art. 3817
	Spiral coil hose made of PU/PVC composite with earthing braids, transparent. For the transport of non-abrasive insulation material. Lashing strap included. With proper connection, the earthing braid can establish a continuous grounding. The risk of potential electrostatic charging will be greatly reduced. ++ 10% discount when ordering 3 or more hoses ++		
Klick me! (Image similar)	NW50 L=20m		
	<u>Conveying hose NW50 (2"), L=20m, extra robust design</u>		Art. 1061
	Model: NW50 extra strong conveyor hose, L = 20 m Temp.: -40° C to 90° C Field of application: Suction and conveying of abrasive and granular materials. Features: Very smooth flow channel, high abrasion resistance, flexible when cold, oil and fuel resistance, halogen and diluent free. Bend radius: approx. 100 mm Weight: approx. 0.8 kg/m max. operating pressure / vacuum: 1.2 bar / 0.5 bar Inner diameter: Di = 50.8mm Outer diameter: approx. Da = 55.5mm Material: PU / steel wire Tension belt included. ++ 10% discount when purchasing more than 3 hoses ++		
Klick me! (Image similar)			
	<u>Conveying hose smooth NW63 (2½"), L=20m</u>		Art. 573
	PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials. Tension belt included. ++ 10% discount when purchasing more than 3 hoses ++		
Klick me! (Image similar)	NW63 L=20m		
	<u>Conveying hose with flexible earthing lead NW63 (2 1/2"), L=20m</u>		Art. 3816
	Spiral-coil hose made of PU/PVC composite transparent. With flexible earthing lead. Incl. tension belt. ++ from 3 hoses upwards 10% discount ++		
Klick me! (Image similar)	NW63 L=20m		
	<u>Conveyor hose NW63 (2½"), L = 20 m, extra strong version</u>		Art. 1001
	Model: NW63 extra strong conveyor hose, L = 20 m Temp.: -40° C to 90° C Field of application: Suction and conveying of abrasive and granular materials. Features: Very smooth flow channel, high abrasion resistance, flexible when cold, oil and fuel resistance, halogen and diluent free. Bend radius: approx. 100 mm Weight: approx. 0.8 kg/m max. operating pressure / vacuum: 1.2 bar / 0.5 bar Dimensions.: D = 50,8 mm Material: PU / steel wire Tension belt included. ++ 10% discount when purchasing more than 3 hoses ++		
Klick me! (Image similar)			
	<u>Conveying hose smooth NW75 (3"), L=20m</u>		Art. 284
	PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials. Tension belt included. ++ 10% discount when purchasing more than 3 hoses ++		
Klick me! (Image similar)	NW75 L=20m		

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05 Hoses and connectors

Hoses, connectors, clamps, hose reels, switches, etc.

Conveyor hose with flexible earthing braids NW75 (3"), L = 20m

Art. 3815



Klick me! (Image similar)

Spiral-coil hose made of PU/PVC composite transparent. With flexible earthing lead. Incl. Tension belt.
++ from 3 hoses upwards 10% discount ++

Conveying hose NW75 (3"), L=20m, extra strong version

Art. 1722



Klick me! (Image similar)

Model: NW75 extra strong conveying hose, L = 20 m
Temp.: -40° C to 100° C
Field of application: Suction and conveying of abrasive and granular materials.
Features: Very smooth flow channel, high abrasion resistance, flexible when cold, oil and fuel resistance, halogen and diluent free.
Bend radius: approx. 100 mm
Weight: approx. 0.9 kg/m
max. operating pressure / vacuum: 1.2 bar / 0.5 bar
Dimensions.: D = 76.1 mm
Material: PU / steel wire
Tension belt included.

Conveying hose smooth NW90 (3½"), L=20m

Art. 422



Klick me! (Image similar)

PU/PVC transparent spiral coil hose. For conveying non-abrasive insulation materials.
Tension belt included.
++ 10% discount when purchasing more than 3 hoses ++

Y-connector NW63/63>63 (2½/2½">2½") stainless steel

Art. 1132



Klick me! (Image similar)

Y-pipe made of stainless steel with approx. 30 ° inlet angle (on both sides). Typical use for coupling an air amplifier into a conveyor line. The use of thin-walled pipe material virtually eliminates material stoppers.
Dimensions:
Branch: 2 x NW63 (2½")
Outflow: NW63 (2½")

Options:
- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. No. 2822)

Reduzier-Stück PE NW75>50

Art. 3769



Klick me! (Image similar)

English version in preparation: Übergangsstück PE, zentrisch, d 75/50 mm, Wandstärke: 3 mm

Reduzier-Stück PE NW75>63

Art. 3768



Klick me! (Image similar)

English version in preparation: Übergangsstück PE, zentrisch, d 75/63 mm, Wandstärke: 3 mm

Reducer tube connector NW102>75 (4">3") Aluminium

Art. 6642



Klick me! (Image similar)

Precisely manufactured aluminum reducer piece for connecting injection- and conveying hoses of different sizes.
Maximum sealing effect due to tapered hose connections and special sealing contour. Specially shaped inlet and outlet edges virtually eliminate the possibility of material dropouts.
Dimensions: 1st side: NW102 (4") / 2nd side: NW75 (3")

Options:
- Hose clamp NW102 (4") (prod. no. 8883)
- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)

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05 Hoses and connectors**Hoses, connectors, clamps, hose reels, switches, etc.****Reducer tube connector NW102>90 (4">3½") Aluminium****Art. 8881**

Klick me! (Image similar)

Precisely manufactured aluminum reducer piece for connecting injection- and conveying hoses of different sizes. Maximum sealing effect due to tapered hose connections and special sealing contour. Specially shaped inlet and outlet edges virtually eliminate the possibility of material dropouts. Dimensions: 1st side: NW102 (4") / 2nd side: NW90 (3½") / length appr. 170mm

Options:

- Hose clamp NW102 (4") (prod. no. 8883)
- Hose clamp NW90 (3½") (prod. no. 1923)
- Hose clamp NW90 (3½") 97-104mm (hinged bolt clamp) (prod. no. 3811)
- Hose clamp NW90 (3½"), quick-connect clamp with hook (prod. No. 8816)

Reducer tube connector NW50>38 (2">1½") Aluminium**Art. 1263**

Klick me! (Image similar)

Precisely manufactured aluminum reducer piece for connecting injection- and conveying hoses of different sizes. Maximum sealing effect due to tapered hose connections and special sealing contour. Specially shaped inlet and outlet edges virtually eliminate the possibility of material dropouts. Dimensions: 1st side: NW50 (2") / 2nd side: NW38 (1½")

Options:

- Hose clamp NW50 (2") (prod. no. 175)
- Hose clamp NW50 (2") 56-59mm (hinged bolt clamp) (prod. no. 5097)
- Injection hose NW38 (1½") hose clamp (prod. no. 1199)
- Conveyor hose NW38 (1½") hose clamp (prod. no. 512)

Reducer tube connector NW63>38 (2½">1½") Aluminium**Art. 1970**

Klick me! (Image similar)

Precisely manufactured aluminum reducer piece for connecting injection- and conveying hoses of different sizes. Maximum sealing effect due to tapered hose connections and special sealing contour. Specially shaped inlet and outlet edges virtually eliminate the possibility of material dropouts. Dimensions: 1st side: NW63 (2½") / 2nd side: NW38 (1½")

Options:

- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)
- Injection hose NW38 (1½") hose clamp (prod. no. 1199)
- Conveyor hose NW38 (1½") hose clamp (prod. no. 512)

Reducer tube connector NW63>50 (2½">2") Aluminium**Art. 1264**

Klick me! (Image similar)

Precisely manufactured aluminum reducer piece for connecting injection- and conveying hoses of different sizes. Maximum sealing effect due to tapered hose connections and special sealing contour. Specially shaped inlet and outlet edges virtually eliminate the possibility of material dropouts. Dimensions: 1st side: NW63 (2½") / 2nd side: NW50 (2")

Options:

- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)
- Hose clamp NW50 (2") (prod. no. 175)
- Hose clamp NW50 (2") 56-59mm (hinged bolt clamp) (prod. no. 5097)

Reducer tube connector NW75>50 (3">2") Aluminium**Art. 1262**

Klick me! (Image similar)

Precisely manufactured aluminum reducer piece for connecting injection- and conveying hoses of different sizes. Maximum sealing effect due to tapered hose connections and special sealing contour. Specially shaped inlet and outlet edges virtually eliminate the possibility of material dropouts. Dimensions: 1st side: NW75 (3") / 2nd side: NW50 (2")

Options:

- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)
- Hose clamp NW50 (2") (prod. no. 175)
- Hose clamp NW50 (2") 56-59mm (hinged bolt clamp) (prod. no. 5097)

Reducer tube connector NW75>63 (3">2½") Aluminium**Art. 1261**

Klick me! (Image similar)

Precisely manufactured aluminum reducer piece for connecting injection- and conveying hoses of different sizes. Maximum sealing effect due to tapered hose connections and special sealing contour. Specially shaped inlet and outlet edges virtually eliminate the possibility of material dropouts. Dimensions: 1st side: NW75 (3") / 2nd side: NW63 (2½")

Options:

- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)
- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)

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05 Hoses and connectors**Hoses, connectors, clamps, hose reels, switches, etc.****Reducer tube connector NW90>75 (3½">3") Aluminium****Art. 1971**

Klick me! (Image similar)

Precisely manufactured aluminum reducer piece for connecting injection- and conveying hoses of different sizes. Maximum sealing effect due to tapered hose connections and special sealing contour. Specially shaped inlet and outlet edges virtually eliminate the possibility of material dropouts. Dimensions: 1st side: NW90 (3½") / 2nd side: NW75 (3")

Options:

- Hose clamp NW90 (3½") (prod. no. 1923)
- Hose clamp NW90 (3½") 97-104mm (hinged bolt clamp) (prod. no. 3811)
- Hose clamp NW90 (3½"), quick-connect clamp with hook (prod. no. 8816)
- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)

Hose clamp NW102 (4")**Art. 8883**

Klick me! (Image similar)

Hose clamp for comfortable and secure fastening of injection and conveyor hoses NW102 (4")
Fastening: six-sided screw (SW13) and slot
Band width: s=20mm
Max. Tightening torque: 12Nm
Material: Steel (galvanised)
+++ 10% discount when purchasing more than 5 items +++
+++ 15% discount when purchasing more than 10 items +++

Hose clamp NW102 (4") 104-112 (hinged bolt clamp)**Art. 9505**

Klick me! (Image similar)

Joint bolt clamp for optimal sealing fastening of injection and conveyor hoses NW102 (4")
Fastening: six-sided screw (SW13)
Band width: s=25mm
Max. Tightening torque: 20Nm
Material: Steel (galvanised)
+++ 10% discount when purchasing more than 5 items +++
+++ 15% discount when purchasing more than 10 items +++

Hose clamp NW38 (1½") for Injection hose NW38**Art. 1199**

Klick me! (Image similar)

Hose clamp for comfortable and secure fastening of injection hoses NW38 (1½")
Fastening: six-sided screw (SW13) and slot
Band width: s=20mm
Max. Tightening torque: 12Nm
Material: Steel (galvanised)
+++ 10% discount when purchasing more than 5 items +++
+++ 15% discount when purchasing more than 10 items +++

Hose clamp NW38 (1½") for conveyor hose NW38**Art. 512**

Klick me! (Image similar)

Hose clamp for comfortable and secure fastening of conveyor hoses NW38 (1½")
Fastening: six-sided screw (SW13) and slot
Band width: s=20mm
Max. Tightening torque: 12Nm
Material: Steel (galvanised)
+++ 10% discount when purchasing more than 5 items +++
+++ 15% discount when purchasing more than 10 items +++

Hose clamp NW50 (2")**Art. 175**

Klick me! (Image similar)

Hose clamp for comfortable and secure fastening of injection and conveyor hoses NW50 (2")
Fastening: six-sided screw (SW13)
Band width: s=20mm
Max. Tightening torque: 12Nm
Material: Steel (galvanised)
+++ 10% discount when purchasing more than 5 items +++
+++ 15% discount when purchasing more than 10 items +++

Hose clamp NW50 (2") 51-55mm, hinge bolt**Art. 6363**

Klick me! (Image similar)

For mounting the neoprene hose NW50 to sockets with Ø 48mm.
Suitable for mounting neoprene hose NW50 on radial fan 1.8kW (Art.-No. 4813)
Fastening: six-sided screw (SW10)
Band width: s=22mm
Max. Tightening torque: 9Nm
Material: Steel (galvanised)

Hose clamp NW50 (2") 52-55mm, hinge bolt**Art. 5914**








Klick me! (Image similar)

For mounting the neoprene hose NW50 to sockets with Ø 48mm.
Suitable for mounting neoprene hose NW50 on radial fan 1.45kW (Art.-No. 3848) and all other connections, e.g. non-return valve, airlock spigot
Fastening: six-sided screw (SW10)
Band width: s=22mm
Max. Tightening torque: 15Nm
Material: Steel (galvanised)

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05	Hoses and connectors	Hoses, connectors, clamps, hose reels, switches, etc.	
		+++ 10% discount when purchasing more than 5 items +++ +++ 15% discount when purchasing more than 10 items +++	
	<u>Hose clamp NW50 (2") 56-59mm (hinged bolt clamp)</u>		Art. 5097
	Joint bolt clamp for optimal sealing fastening of injection and conveyor hoses NW50 (2") Fastening: six-sided screw (SW13) Band width: s=22mm Max. Tightening torque: 15Nm Material: Steel (galvanised) +++ 10% discount when purchasing more than 5 items +++ +++ 15% discount when purchasing more than 10 items +++		
Klick me! (Image similar)			
	<u>Hose clamp NW63 (2½")</u>		Art. 176
	Hose clamp for comfortable and secure fastening of injection and conveyor hoses NW63 (2½") Fastening: six-sided screw (SW13) and slot Band width: s=20mm Max. Tightening torque: 12Nm Material: Steel (galvanised) +++ 10% discount when purchasing more than 5 items +++ +++ 15% discount when purchasing more than 10 items +++		
Klick me! (Image similar)			
	<u>Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp)</u>		Art. 2822
	Joint bolt clamp for optimal sealing fastening of injection and conveyor hoses NW63 (2½") Fastening: six-sided screw (SW13) Band width: s=24mm Max. Tightening torque: 25Nm Material: Steel (galvanised) +++ 10% discount when purchasing more than 5 items +++ +++ 15% discount when purchasing more than 10 items +++		
Klick me! (Image similar)			
	<u>Hose clamp NW75 (3")</u>		Art. 177
	Hose clamp for comfortable and secure fastening of injection and conveyor hoses NW75 (3") Fastening: six-sided screw (SW13) and slot Band width: s=20mm Max. Tightening torque: 12Nm Material: Steel (galvanised) +++ 10% discount when purchasing more than 5 items +++ +++ 15% discount when purchasing more than 10 items +++		
Klick me! (Image similar)			
	<u>Hose clamp NW75 (3") 79-85mm (hinged bolt clamp)</u>		Art. 3759
	Joint bolt clamp for optimal sealing fastening of injection and conveyor hoses NW75 (3") Fastening: six-sided screw (SW13) Band width: s=24mm Max. Tightening torque: 25Nm Material: Steel (galvanised) +++ 10% discount when purchasing more than 5 items +++ +++ 15% discount when purchasing more than 10 items +++		
Klick me! (Image similar)			
	<u>Hose clamp NW75 (3"), quick-connect clamp with hook</u>		Art. 223
	Adjustable quick-lock clamp for comfortable and secure fastening of injection and conveyor hoses NW75 (3") Fastening: cylinder head screw (M6) and slot Band width: s=20mm Material: steel (galvanised) +++ 10% discount when purchasing more than 5 items +++ +++ 15% discount when purchasing more than 10 items +++		
Klick me! (Image similar)			
	<u>Hose clamp NW90 (3½")</u>		Art. 9908
	Hose clamp for comfortable and secure fastening of injection and conveyor hoses NW90 (3½") Fastening: six-sided screw (SW13) and slot Band width: s=20mm Max. Tightening torque: 12Nm Material: Steel (galvanised) +++ 10% discount when purchasing more than 5 items +++ +++ 15% discount when purchasing more than 10 items +++		
Klick me! (Image similar)			
	Note: For injection or delivery hoses with a diameter larger than 98mm, this hose clamp may have to be used: - Hose clamp NW90 (3½") suitable from an outer diameter of 98mm (Art.-No. 1923)		

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05 Hoses and connectors

Hoses, connectors, clamps, hose reels, switches, etc.

Hose clamp NW90 (3½") 97-104mm (hinged bolt clamp)

Art. 3811



Klick me! (Image similar)

Joint bolt clamp for optimal sealing fastening of injection and conveyor hoses NW90(3½")
Fastening: six-sided screw (SW13)
Band width: s=24mm
Max. Tightening torque: 25Nm
Material: Steel (galvanised)
+++ 10% discount when purchasing more than 5 items +++
+++ 15% discount when purchasing more than 10 items +++

Hose clamp NW90 (3½") suitable from outer diameter 98mm

Art. 1923



Klick me! (Image similar)

Hose clamp for comfortable and secure fastening of injection and conveyor hoses NW90 (3½")
Fastening: six-sided screw (SW13) and slot
Band width: s=20mm
Max. Tightening torque: 12Nm
Material: Steel (galvanised)
+++ 10% discount when purchasing more than 5 items +++
+++ 15% discount when purchasing more than 10 items +++

Hose clamp NW90 (3½"), quick-connect clamp with hook

Art. 8816



Klick me! (Image similar)

Adjustable quick-lock clamp for comfortable and secure fastening of injection and conveyor hoses NW90 (3½")
Fastening: cylinder head screw (M6) and slot
Band width: s=20mm
Material: steel (galvanised)
+++ 10% discount when purchasing more than 5 items +++
+++ 15% discount when purchasing more than 10 items +++

Hose connector turnable SDV50 (2")

Art. 6522



Klick me! (Image similar)

Turnable hose connector for a twist-open hose connection.
- Hose connection: NW50 (2") on both sides
- Material: Aluminium
- Sealed for blowing pressures
- Can be unmounted for cleaning purposes

Options:
- Hose clamp NW50 (2") (prod. no. 175)
- Hose clamp NW50 (2") 56-59mm (hinged bolt clamp) (prod. no. 5097)

Hose connector turnable SDV63 (2½")

Art. 6896



Klick me! (Image similar)

Turnable hose connector for a twist-free hose line.
- Hose connection: NW63 (2½") on both sides
- Material: aluminium
- Sealed to maintain injection pressure
- Can be taken apart for cleaning

Options:
- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)

Hose connector turnable SDV75 (3")

Art. 4451



Klick me! (Image similar)

Turnable hose connector for a twist-free hose line.
- Hose connection: NW75 (3") on both sides
- Material: Aluminium
- Sealed to maintain injection pressure.
- Can be taken apart for cleaning

Options:
- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)

Hose connector turnable SDV90 (3½")

Art. 9262



Klick me! (Image similar)

Turnable hose connector for a twist-free hose line.
- Hose connection: NW63 (2½") on both sides
- Material: aluminium
- Sealed to maintain injection pressure
- Can be taken apart for cleaning

Options:
- Hose clamp NW90 (3½") (prod. no. 1923)
- Hose clamp NW90 (3½") 97-104mm (hinged bolt clamp) (prod. no. 3811)
- Hose clamp NW90 (3½"), quick-connect clamp with hook (prod. no. 8816)

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05 Hoses and connectors**Hoses, connectors, clamps, hose reels, switches, etc.****Hose connector NW102 (4") stainless steel****Art. 7486**

Klick me! (Image similair)

Pipe section made of stainless steel for connecting injection- and delivery hoses. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions: NW102 (4"), length approx. 90mm

Options:

- Hose clamp NW102 (4") (prod. no. 8883)

Hose connector NW38 (1½") stainless steel**Art. 788**

Klick me! (Image similair)

Pipe section made of stainless steel for connecting injection- and delivery hoses. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions: NW38 (1½"), length approx. 60mm

Options:

- Injection hose NW38 (1½") hose clamp (prod. no. 1199)
- Conveyor hose NW38 (1½") hose clamp (prod. no. 512)

Hose connector NW50 (2") stainless steel**Art. 235**

Klick me! (Image similair)

Pipe section made of stainless steel for connecting injection- and delivery hoses. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions: NW50 (2"), length approx. 70mm

Options:

- Hose clamp NW50 (2") (prod. no. 175)
- Hose clamp NW50 (2") 56-59mm (hinged bolt clamp) (prod. no. 5097)

Hose connector NW63 (2½") stainless steel**Art. 236**

Klick me! (Image similair)

Pipe section made of stainless steel for connecting injection- and delivery hoses. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions: NW63 (2½"), length approx. 90mm

Options:

- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)

Hose connector NW75 (3") stainless steel**Art. 033**

Klick me! (Image similair)

Pipe section made of stainless steel for connecting injection- and delivery hoses. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions: NW75 (3"), length approx. 90mm

Options:

- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)

Hose connector NW90 (3½") stainless steel**Art. 1452**

Klick me! (Image similair)

Pipe section made of stainless steel for connecting injection- and delivery hoses. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions: NW90 (3½"), length approx. 90mm

Options:

- Hose clamp NW90 (3½") (prod. no. 1923)
- Hose clamp NW90 (3½") 97-104mm (hinged bolt clamp) (prod. no. 3811)
- Hose clamp NW90 (3½"), quick-connect clamp with hook (prod. no. 8816)

NW38 (1 ½ ") quick coupling**Art. 667**

Klick me! (Image similair)

NW38 Storz coupling with long hose nipple D=38 L=90, cleat spacing =52, for NW38 (1 1/2") hoses.

+++10% discount when purchasing more than 3 items +++

NW50 (Kn66) quick coupling**Art. 171**

Klick me! (Image similair)

NW50(C) Storz coupling with long hose nipple, cleat spacing = 66.

+++10% discount when purchasing more than 3 items +++

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05 Hoses and connectors

Hoses, connectors, clamps, hose reels, switches, etc.

NW63 (Kn89) quick coupling

Art. 170



NW63(B) Storz coupling with long hose nipple, cleat spacing = 89.
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

NW75 (Kn89) quick coupling

Art. 168



NW75(B) Storz coupling with long hose nipple, cleat spacing = 89.
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

NW75-R2 1/2 " quick coupling - fixed

Art. 172



NW75(B) Storz coupling with internal screw thread R2 1/2"
cleat spacing = 89.
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

Quick coupling hose clamp adaptor, internal screw thread 66/52 (NW50>40).

Art. 668



Storz coupling adaptor 52-C / 38, internal screw thread 66/52 (NW50>40).
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

Quick coupling-adaptor Kn89>Kn66

Art. 173



Storz coupling adaptor B to C, internal screw thread 89/66 (NW50>40).
+++10% discount when purchasing more than 3 items +++

Klick me! (Image similar)

1.3m tension belt with loop and x-floc Logo

Art. 1954



Use: for bundling hoses together
Description: Tension belt, L=1.3m with clamping lock and loop.
Tension: 250daN
Strapped 45°, sloped.
+++10% discount when purchasing more than 10 items+++

Klick me! (Image similar)

VS: Connecting Set for Amplifier NW63/NW63>NW63

Art. 4935



Accessories for connecting an amplifier station with an outlet size of NW63 to an insulation blowing machine with an outlet size of NW63.
Inlet: NW63(2 1/2")/NW63(2 1/2")
Outlet: NW63(2 1/2")

Consists of:

- 1x VS: Connecting control cable for control from the blowing machine (L=approx. 5m) (prod. no. 1856)
- 1x Y-Piece NW63/63>63 (stainless steel) (prod. no. 3955)
- 2x 1.5m NW63 conveying hose (2 1/2"), smooth
- 4x Hose clamp NW63(2 1/2") (prod. no. 176)

Options:

- Extension with check valve to avoid return flows in the direction of the connected amplifier respectively to avoid operator error, consists of:

1. Check valve (butterfly), NW63 (prod.-No. 8833)
2. Conveying hose NW63 (2 1/2"), smooth, L=20m (0,01 piece, prod.-No. 573)
3. Hose clamp NW63 (2 1/2") (2 pieces prod.-No. 176)

Klick me! (Image similar)

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05 Hoses and connectors

Hoses, connectors, clamps, hose reels, switches, etc.

VS: Connecting set for amplifier NW63/NW75>NW75

Art. 4934



Klick me! (Image similair)

Accessories for connecting an amplifier station with an outlet size of NW63 to an insulation blowing machine with an outlet size of NW75.
Inlet: NW63(2½")/NW75(3")
Outlet: NW75(3")

Consisting of:

- 1x VS: Connecting control cable for control from the blowing machine (L=approx. 5m) (prod. no. 1856)
- 1x Y-Piece NW75/63>75 (stainless steel) (prod. no. 2221)
- 1.5m NW63 conveying hose (2½"), smooth
- 1.5m NW75 conveying hose (3"), smooth
- 2x Hose clamp NW63(2½") (prod. no. 176)
- 2x Hose clamp NW75(3") (prod. no. 177)

Options:

- Extension with check valve to avoid return flows in the direction of the connected amplifier respectively to avoid operator error, consists of:

1. Check valve (butterfly), NW63 (prod.-No. 8833)
2. Conveying hose NW63 (2½"), smooth, L=20m (0,01 piece, prod.-No. 573)
3. Hose clamp NW63 (2½") (2 pieces prod.-No. 176)

Y-Piece NW63/63>63 (2½"/2½">2½") stainless steel

Art. 3955



Klick me! (Image similair)

Lateral pipe fitting made of stainless steel with approx. 30 ° branch angle. Typical use for coupling an air amplifier into a conveyor line. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions:

Straight tube: NW63 (2½")
Branch: NW63 (2½")

Options:

- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)

Y-Piece NW75/63>75 (3"/2½">3") stainless steel

Art. 2221



Klick me! (Image similair)

Lateral pipe fitting made of stainless steel with approx. 30 ° branch angle. Typical use for coupling an air amplifier into a conveyor line. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions:

Straight tube: NW75 (3")
Branch: NW63 (2½")

Options:

- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)
- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)

Y-Piece NW75/75>75 (3"/3">3") stainless steel

Art. 456



Klick me! (Image similair)

Lateral pipe fitting made of stainless steel with approx. 30 ° branch angle. Typical use for coupling an air amplifier into a conveyor line. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions:

Straight tube: NW75 (3")
Branch: NW75 (3")

Options:

- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)

Y-Piece NW90/75>90 (3½"/3">3½") stainless steel

Art. 4523



Klick me! (Image similair)

Lateral pipe fitting made of stainless steel with approx. 30 ° branch angle. Typical use for coupling an air amplifier into a conveyor line. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions:

Straight tube: NW90 (3½")
Branch: NW75 (3")

Options:

- Hose clamp NW90 (3½") (prod. no. 1923)
- Hose clamp NW90 (3½") 97-104mm (hinged bolt clamp) (prod. no. 3811)
- Hose clamp NW90 (3½"), quick-connect clamp with hook (prod. No. 8816)
- Hose clamp NW75 (3") (prod. No. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. No. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. No. 223)

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05 Hoses and connectors**Hoses, connectors, clamps, hose reels, switches, etc.****Accessory set NW50 for core insulation material (also lightly abrasive)****Art. 5386**

Set with recommended accessories for processing granulate (e.g. EPS, Perlith, or similar), mineral fibres (rock wool, glass wool) or other insulation materials for masonry insulation or for blowing with small nozzles.

Consisting of:

- Delivery hose NW50 (2") smooth, L=20m (Art.-No. 329)
- Blow-in hose NW50 (2"), L=15m (Art.-No. 167, 2 pieces)
- Hose connector NW50 (2") (Art.-No.235, 2 pieces)
- Hose clamp NW50 (2") (Art.-No.175, 7 pieces)

Accessories set NW63 for loose-fill insulation (nonabrasive)**Art. 5711**

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW63 outlet (e.g. Minifant, EM100, Krendl500 etc.).

Consisting of:

- 1x NW63 injection hose, L = 15m (red=stiff) (prod. no. 166)
- 1x NW63 injection hose, L = 15m (blue=flexible) (prod. no. 4779)
- 1x NW63 hose connector (prod. no. 236)
- 5x NW63 hose clamp (prod. no. 176)
- 2x NW50/63 sealing sponge (prod. No. 7100)

Accessories set NW63/50 for loose-fill insulation (nonabrasive)**Art. 5712**

Set with recommended accessories for processing cellulose, glass fibre and more using machines with an outlet NW63 (e.g. Minifant, EM100, Krendl500 etc.).

Consisting of:

- 1x NW63 injection hose, L = 15m (red=stiff) (prod. no. 166)
- 1x NWN63 injection hose, L = 15m (blue=flexible) (prod. no. 4779)
- 1x NW50 injection hose, L = 15m (prod. no. 167)
- 1x NW63 hose connector (prod. no. 236)
- 1x NW63>50 reducer tube connector (prod. no. 1264)
- 5x NW63 hose clamp (prod. no. 176)
- 2x NW50 hose clamp (prod. no. 175)
- 2x NW50/63 sealing sponge (product no. 7100)

Accessories set NW75/63 for loose-fill insulation (nonabrasive)**Art. 5246**

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW75 outlet (e.g. Zellofant, EM400/440 SHS, etc.).

Consisting of:

- 1x NW75 conveyor hose, L = 20m (prod. no. 284)
- 1x NW75 standard injection hose, L = 15m (prod. no. 074)
- 1x NW75 flexible injection hose, L = 15m (prod. no. 4774)
- 1x NW63 injection hose, L = 15m (prod. no. 166)
- 2x NW75 hose connector (prod. no. 033)
- 1x NW75>63 reducer tube connector (prod. no. 1261)
- 7x NW75 hose clamp (prod. no. 177)
- 3x NW63 hose clamp (prod. no. 176)
- 2x NW63/75 sealing sponge (prod. no. 7099)

Accessories set NW75/63/50 for loose-fill insulation (nonabrasive)**Art. 5737**

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW75 outlet (e.g. Zellofant, EM400/440 SHS, etc.).

Consisting of:

- 1x NW75 conveyor hose, L = 20m (prod. no. 284)
- 1x NW75 standard injection hose, L = 15m (prod. no. 074)
- 1x NW75 flexible injection hose, L = 15m (prod. no. 4774)
- 1x NW63 injection hose, L = 15m (prod. no. 166)
- 1x NW50 injection hose, L = 15m (prod. no. 167)
- 2x NW75 hose connector (prod. no. 033)
- 1x NW75>63 reducer tube connector (prod. no. 1261)
- 1x NW63>50 reducer tube connector (prod. no. 1264)
- 7x NW75 hose clamp (prod. no. 177)
- 3x NW63 hose clamp (prod. no. 176)
- 3x NW50 hose clamp (prod. no. 175)
- 2x NW63/75 sealing sponge (prod. no. 7099)
- 2x NW50/63 sealing sponge (prod. no. 7100)

Accessory set NW75/63/50/38 (non-abrasive) incl. 2 injection nozzles**Art. 11976**

Hose set NW75/63/50/38 (3"/2½"/2"/1½") incl. 2 blow-in nozzles optimised for cavity insulation.
Contains all necessary hose connectors, reducing connectors, hose clamps (incl. 2 spare connectors for each size)
Total hose length: 90m

Consisting of:

- Delivery hose NW75 (3") smooth, L=20m (item no. 284, 1 piece)
- Injection hose NW75 (3"), L=20m (item no. 4777, 1 piece)
- Soft blow-in hose NW63 (2½"), L=20m, (blue) (item no. 5239, 1 piece)
- Blow-in hose NW50 (2"), L=15m (item no. 167, 1 piece)
- Delivery hose NW38 (1½") smooth, L=20m (item no. 414, 1 piece)

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05 Hoses and connectors Hoses, connectors, clamps, hose reels, switches, etc.

- Hose connector NW75 (3") (item no. 033, 1 piece)
- Reducing connector NW75>63 (3">2½") aluminium (item no. 1261, 1 piece)
- Reducing connector NW63>50 (2½">2") aluminium (art. no. 1264, 1 piece)
- Reducing connector NW50>38 (2">1½") aluminium (art. no. 1263, 1 piece)
- Hose clamp NW75 (3") (item no. 177, 6 pieces)
- Hose clamp NW63 (2½") (item no. 176, 4 pieces)
- Hose clamp NW50 (2") (item no. 175, 4 pieces)
- Hose clamp NW38 (1½") delivery hose (item no. 512, 4 pieces)
- Injection nozzle NW50>18 AV-WE (with shut-off valve, interchangeable insert pipe NW18, straight outlet) (item no. 11109, 1 piece)
- Injection nozzle NW38>18 AV (with shut-off valve) (item no. 5710, 1 piece)

Optional accessories:

- Hose reel NW75 - D1000 plus (art. no. 6464)
- Hose reel: Accessory set NW75 (3") for connection to the insulation blowing machine (art. no. 5845)

Accessories set NW75/63/50/38 for loose-fill insulation (non abrasive)**Art. 7766**

Set with recommended accessories for processing cellulose, wood fibre, glass wool etc. Suitable for insulation blowing machines with an outlet NW75, as machines M95, EM300, EM400, EM500 etc.

Consisting of:

- 1x Conveyor hose NW75 (3") smooth, L=20m (prod. no. 284)
- 1x Injection hose NW75 (3"), L=15m (prod. no. 074)
- 1x Injection hose smooth NW75 (3"), L=15m (prod. no. 4774)
- 1x Injection hose NW63 (2 ½"), L=15m (prod. No. 166)
- 1x Injection hose NW50 (2"), L=15m (prod. No. 167)
- 1x Injection hose NW38 (1 ½"), L=15m (prod. No. 777)
- -----
- 2x Hose connector NW75 (3"), stainless steel (prod. No. 033)
- -----
- 1x Reducer tube connector NW 75>63 (aluminium) (prod. No. 1261)
- 1x Reducer tube connector NW 63>50 (aluminium) (prod. No. 1264)
- 1x Reducer tube connector NW 50>38 (aluminium) (prod. No. 1263)
- -----
- 7x Hose clamp NW75 (3") (prod. No. 177)
- 3x Hose clamp NW63 (2 ½") (prod. No. 176)
- 3x Hose clamp NW50 (2") (prod. No. 175)
- 3x Hose clamp NW38 (1 ½") injection hose (prod. No. 1199)
- -----
- 2x Sealing sponge NW68/NW75, 250x250x40 (prod. No. 7099)
- 2x Sealing sponge NW50/NW63, 250x250x40 (prod. No. 7100)
- 2x Sealing sponge NW38/NW50, 250x250x40 (prod. No. 7101)

Accessories set NW90/75 for loose-fill insulation (nonabrasive)**Art. 9188**

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW90 outlet (e.g. Zellofant M95 / EM3XX with direct extension NW90, EM4XX SHS, etc.).

Consisting of:

- 1x NW90 (3½") conveyor hose, L = 20m (prod. no. 422)
- 1x NW90 (3½") injection hose, L = 20m (prod. no. 8293)
- 1x NW75 standard injection hose, L = 15m (prod. no. 074)
- 1x NW90 hose connector, stainless steel (prod. no. 1452)
- 1x NW90>75 reducer tube connector, aluminium (prod. no. 1971)
- 5x NW90 (3½") hose clamp (prod. no. 1923)
- 3x NW75 hose clamp (prod. no. 177)
- 2x NW63/75 sealing sponge (prod. no. 7099)

Accessories set NW90/75/63 for loose-fill insulation (nonabrasive)**Art. 9684**

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW90 outlet (e.g. Zellofant, EM400/440 SHS, etc.).

Consisting of:

- 1x NW90 (3½") conveyor hose, L = 20m (prod. no. 422)
- 1x NW90 (3½") injection hose, L = 20m (prod. no. 8293)
- 1x NW75 standard injection hose, L = 15m (prod. no. 074)
- 1x NW63 injection hose, L = 15m (prod. no. 166)
- 1x NW90 hose connector, stainless steel (prod. no. 1452)
- 1x NW90>75 reducer tube connector, aluminium (prod. no. 1971)
- 1x NW75>63 reducer tube connector (prod. no. 1261)
- 5x NW90 (3½") hose clamp (prod. no. 1923)
- 3x NW75 hose clamp (prod. no. 177)
- 3x NW63 hose clamp (prod. no. 176)
- 2x NW63/75 sealing sponge (prod. no. 7099)

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05 Hoses and connectors**Hoses, connectors, clamps, hose reels, switches, etc.****Accessories set NW90/75/63 extra for loose-fill insulation (nonabrasive)****Art. 6765**

Klick me! (Image similar)

Set with recommended accessories for processing cellulose, wood fibre, glass wool and more using machines with an NW90 outlet (e.g. Zellofant, EM400/440 SHS, etc.).

Consisting of:

- 1x NW90 (3½") conveyor hose, L = 20m (prod. no. 422)
- 1x NW90 (3½") injection hose, L = 20m (prod. no. 8293)
- 1x NW75 standard injection hose, L = 15m (prod. no. 074)
- 1x NW75 injection hose (soft), L = 15m (prod. no. 4774)
- 1x NW63 injection hose, L = 15m (prod. no. 166)
- 1x NW90 hose connector, stainless steel (prod. no. 1452)
- 1x NW75 hose connector (prod. no. 033)
- 1x NW90>75 reducer tube connector, aluminium (prod. no. 1971)
- 1x NW75>63 reducer tube connector (prod. no. 1261)
- 5x NW90 (3½") hose clamp (prod. no. 1923)
- 5x NW75 hose clamp (prod. no. 177)
- 3x NW63 hose clamp (prod. no. 176)
- 2x NW63/75 sealing sponge (prod. no. 7099)

06 Damp spray**Spray guns, pumps, wall scrubbers, etc.****FSE: High pressure hose, L=15 m, suitable for high pressure pumping system****Art. 715**

Klick me! (Image similar)

Pressure hose with pressed nipples on each sides DKOL M14x1.5m for connecting spray heads to high pressure pumping systems, consists of:

- Hose
- One hand coupling M14x1.5
- One hand closure plug 1/4"

Hose ready assembled

Dimensions hose: Di=6mm, Da=13.5mm L=15m
Pressure: max. 180bar

Alternatives:

- High pressure hose L=30m, suitable for high pressure pump system (prod. no. 5054)
- High pressure hose L=50m, suitable for high pressure pump system (prod. no. 5055)

FSE: Diaphragm pump p=20bar**Art. 206**

Klick me! (Image similar)

Pump for damp spray applications, flow can be directed through container with suction hose, pump rubber membrane also suitable for use with adhesive.

Technical data

0.75 kW, 600 U/min, 17.2 l/min, pmax = 20 bar, including manometer, operating instructions, tools and connecting components.

Options / Accessories:

- FSE: Diaphragm pump connection set (Art.-Nr.:9281)
- FSE: High pressure hose, L=15 m, suitable for high pressure pumping system (Art.-Nr. 715)
- FSE: High pressure hose L=30m compatible with a high pressure pump system (Art.-Nr. 5054)
- FSE: High pressure hose, L=50m, suitable for high pressure pumping system (Art.-Nr. 5055)

Note:

- Container not included

Alternative articles:

- FSE: Diaphragm pump 2.20kW, p=30bar (Art.-Nr. 10840)

FSE: Diaphragm pump 2.20kW, p=30bar**Art. 10840**

Klick me! (Image similar)

Pump with 2 piston diaphragms, semi-hydraulically supported. Pressure control valve flange-mounted, well suited for damp spraying application. Liquid supply via container with suction hose and return. Adhesive can be added if compatible with diaphragm rubber.

Technical data:

- Power supply: 230V/50-60Hz
- Rated power: approx. 2.2kW
- Protection class: IP55
- Gear ratio: 1:5
- max. delivery rate: 33 l/min
- Max. Pressure: 30 bar
- Weight: approx. 32,8kg
- Incl. manometer and operating instructions in several languages
- Incl. adapter with one-hand coupling for connecting high-pressure hoses

FSE: Wall scrubber M05 B=690**Art. 2364**

Klick me! (Image similar)

Wall scrubber for smoothing out cellulose insulation between stud work applied by damp spraying.

Features:

- Brush width: 690 mm
- Brush length: 610 mm
- Brush weight: ca. 7,5 kg
- Drive: 220 VAC 100 Watt carbon brush motor,
- Cellulose is rubbed off with the super grip profile.
- Belt: RL1202 standard v-belt.

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06 Damp spray Spray guns, pumps, wall scrubbers, etc.

- Protective cover for belt pulley
- Optional:
- Possible to widen brush to up to 900mm
- Removable covering (super grip profile)
- Carbon brushes for the drive motor

FSE: Wall scrubber extension set

Art. 2438

Extension set for extending M05 scrubbing brush by 150mm on both sides. For extra wide stud walls.

Set consists of:

- RH extension (150mm)
- LH extension (150mm)



Klick me! (Image similar)

FSE: Spray head NW63 compressed

Art. 3196

- Spray head with compressed air nebulisation
- 6 nozzles drilled
- Connection for compressed air (max. 10 bar) with two adjustable valves
- Water connection (1-25 bar) with two adjustable valves

Area of application:

- Spraying rock and glass wool
- Spraying cellulose on to walls and surfaces

Features:

- Good wetting with circular spray nozzles
- Suitable for use with fresh water (with sufficient line pressure)
- Air compressor required of up to 400 l/min.



Klick me! (Image similar)

FSE: Spray head NW50 with 2 spray nozzles

Art. 1983

Double jet spray head for damp spray system.

Aluminium spray console with aluminium body and injector body, stainless steel nozzle, 15° - 25° spray angle nozzle model, copper pressure pipes, gate valve for limiting flow and precise adjustment, 1/4" connection point, thus adaptable to any pumping system, pressure resistance of up to 50bar

Optional:

- Case with foam material lining for spray head
- Alternative nozzle set, other nozzle models.



Klick me! (Image similar)

FSE: Spray head NW63 with 3 spray nozzles

Art. 3169

Triple jet spray head for damp spray system.

Stainless steel spray console with aluminium body and injector body, stainless steel nozzle (Standard: 2x1501, 1x 150067), 15° - 25° spray angle, gate valve for limiting flow and precise adjustment, 1/4" connection point, thus adaptable to any pumping system, pressure resistance of up to 50bar

Optional:

- Case with foam material lining for spray head
- Alternative nozzle set, other nozzle models.



Klick me! (Image similar)

FSE: NW50 inline spray head (stainless steel)

Art. 3535

Spray head with internal spray nozzle.

Use: Coating ceilings, walls, basement ceilings with mineral wool, cellulose or other damp spray insulation materials.

Hose connection: NW50

Water connection: Hose connector with a diameter of 6 mm

Recommended water pressure: 10-25 bar

Water nozzle.

Options:

Various nozzle inserts for smaller or larger water flow rate

- FSE: Axial full-cone nozzle 1.0 l/min (art. no. 3541)
- FSE: Axial full-cone nozzle 1.25 l/min (art. no. 3540)
- FSE: Axial full-cone nozzle 1.6 l/min (art. no. 3537)
- FSE: Axial full-cone nozzle 2.5 l/min (art. no. 3538)



Klick me! (Image similar)

FSE: NW50 typII inline spray head (Aluminium)

Art. 4781

Inline spray head with 6 inline spray holes suitable for spray plasters (typically mineral wool), damp spraying and similar applications.

Technical data:

- Hose connection: NW50
- Material: aluminium
- Weight: approx. 0.68 kg
- Dimensions: approx. 230 x 65 mm (L x D)
- Pressure range: < 16 bar
- Water volume: approx. 8 l/min

Typical accessories:

- FSE: High-pressure hose L=15 m suitable for high-pressure pump system (art. no. 715)
- FSE: High pressure hose L=30 m suitable for high pressure pump system (Art.-No. 5054)
- FSE: High-pressure hose L=50 m suitable for high-pressure pump system (art. no. 5055)
- FSE: One-hand coupling 1/4" (Art.-No. 576)



Klick me! (Image similar)

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06 Damp spray Spray guns, pumps, wall scrubbers, etc.

- FSE: diaphragm pump 0.75kW, p=20bar (art. no. 206 or 10840)

FSE: Spray pipe / Terminator NW63 (2½"), M03**Art. 1494**

Klick me! (Image similier)

Spray head with handle, one gate valve for opening, closing and regulating, completely assembled stainless steel nozzle set with ball-and-socket joint, ready for connection to a high pressure pumping system of up to 50bar, operating instructions.

Dimensions.: L=approx. 750mm, D=63mm

Area of application:

- Damp open spraying of domed roofs.
- open spraying on to a wall
- open spraying on to ceilings possible in conjunction with adhesive.

Moisture input can be regulated by approx. 15-20% (based on cellulose) (before approx. 10-12%, after approx. 25-30% moisture content)

Function description:

The material flow (NW63, 2 ½" hose connection) is aligned through the 2 ½" terminator main pipe and then moistened and accelerated by the externally mounted spray nozzles (approx. 10-40 bar water pressure is recommended). It is then possible to spray the evenly moistened material over long distances with minimal dust creation.

Field of application: Large open partitions, church arches, stud walls, termoträ spraying, etc.

FSE: Spray pipe / terminator NW75 (3"), M03**Art. 1720**

Klick me! (Image similier)

Spray head with handle, one gate valve for opening, closing and regulating, completely assembled stainless steel nozzle set with ball-and-socket joint, ready for connection to a high pressure pumping system of up to 50bar, operating instructions. Warranty in conjunction with the X-Floc high pressure piston pump.

Dimensions: L=approx. 400mm (variable), D=75mm

Area of application:

- Damp open spraying of domed roofs.
- open spraying on to a wall
- open spraying on to ceilings in conjunction with adhesive.

Moisture input can be regulated by approx. 15-20% (based on cellulose) (before approx. 10-12%, after approx. 25-30% moisture content)

Function description:

The material flow (NW75, 3" hose connection) is aligned through the terminator main pipe and then moistened and accelerated by the externally mounted spray nozzles (approx. 10-40 bar water pressure is recommended). It is then possible to spray the evenly moistened material over long distances with minimal dust creation.

Field of application: Large open partitions, church arches etc.

See operating instructionsB

07 Measurement devices Density checking set, pressure gauge, test boxes, settlement rigs, etc.**Measurement equipment: NW100 density testing set****Art. 3770**

Klick me! (Image similier)

Density test set for checking the local installation density of loose fill insulation material such as cellulose, wood fibre, mineral fibre and other insulation materials.

Including operating instructions on the scale and operating manual.

Technical data:

Measuring range insulation thickness: 40-470mm (or 1½"-18½").

Measuring range installation density: 20-155kg/m³ (or 1.6-6.4lb/ft³).

Consists of:

- Corrosion-resistant graduated tube with special serrated bevel D=100, L= approx. 500mm and printed scale and operating instructions in iso-unit system (deviating version with Imperial units possible), own weight approx. 1.8kg or 4lbs.
- Scale, electronic compact scale (item no. 2341), measuring range up to 2.2kg resp. 4.85lbs

Notes on determining the average installation density related to an element:

A sufficient number of local installation densities with subsequent averaging is required to determine an average installation density. If the local measurements deviate only slightly from each other, fewer samples are already sufficient for averaging, while for large deviations correspondingly more samples must be selected.

Note: The scales show internationally valid SI units: [g], [cm] and [kg/m³]

Scales with Anglo-American units can be supplied on request: [g], [inch] and [lb/ft³].

Please specify when ordering.

Options:

- Piercing tube with special serrated edge D=100, L= approx. 800mm (on request, prod. No. 6885, not compatible with case)
- Case for density test set, without contents (prod. No. 8243)
- Scale: Net adaptor for electronic compact weighing (prod. No. 2342)
- DDE: Hole saw with ejection system complete D= 106,5 mm (prod. No. 4966) or DDE: Hole saw with ejection system complete D= 105 mm (prod. No. 10025)

Measuring equipment: NW100 density testing set with case**Art. 4348**

Klick me! (Image similier)

Density test set for checking the local installation density of loose fill insulation material such as cellulose, wood fibre, mineral fibre and other insulation materials.

Including operating instructions on the scale and operating manual.

Technical data:

Measuring range insulation thickness: 40-470mm (or 1½"-18½").

Measuring range installation density: 20-155kg/m³ (or 1.6-6.4lb/ft³).

Consists of:

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07 Measurement devices Density checking set, pressure gauge, test boxes, settlement rigs, etc.

- Corrosion-resistant graduated tube with special serrated bevel D=100, L= approx. 500mm and printed scale and operating instructions in iso-unit system (deviating version with Imperial units possible), own weight approx. 1.8kg or 4lbs.
- Scale, electronic compact scale (prod. No. 2341), measuring range up to 2.2kg resp. 4.85lbs
- Case for density test set, without contents (prod. No. 8243)

Notes on determining the average installation density related to an element:

A sufficient number of local installation densities with subsequent averaging is required to determine an average installation density. If the local measurements deviate only slightly from each other, fewer samples are already sufficient for averaging, while for large deviations correspondingly more samples must be selected.

Note: The scales show internationally valid SI units: [g], [cm] and [kg/m³]

Scales with Anglo-American units can be supplied on request: [g], [inch] and [lb/ft³].

Please specify when ordering.

Options:

- Piercing tube with special serrated edge D=100, L= approx. 800mm (on request, prod. No. 6885, not compatible with case)
- Scale: Net adaptor for electronic compact weighing (prod. No. 2342)
- DDE: Hole saw with ejection system complete D= 106,5 mm (prod. No. 4966) or DDE: Hole saw with ejection system complete D= 105 mm (prod. No. 10025)

Measuring equipment: NW100 density testing set with case, hole saw and mains adapter**Art. 4349**

Density test set for checking the local installation density of loose fill insulation material such as cellulose, wood fibre, mineral fibre and other insulation materials.

Including operating instructions on the scale and operating manual.

Technical data:

Measuring range insulation thickness: 40-470mm (or 1½"-18½").

Measuring range installation density: 20-155kg/m³ (or 1.6-6.4lb/ft³).

Consists of:

- Corrosion-resistant graduated tube with special serrated bevel D=100, L= approx. 500mm and printed scale and operating instructions in iso-unit system (deviating version with Imperial units possible), own weight approx. 1.8kg or 4lbs.
- Scale, electronic compact scale (item no. 2341), measuring range up to 2.2kg resp. 4.85lbs
- Case for density test set, without contents (prod. No. 8243)
- DDE: Hole saw with ejection system complete D= 106,5 mm (prod. No. 4966)
- Scale: Net adaptor for electronic compact weighing (prod. No. 2342)

Notes on determining the average installation density related to an element:

A sufficient number of local installation densities with subsequent averaging is required to determine an average installation density. If the local measurements deviate only slightly from each other, fewer samples are already sufficient for averaging, while for large deviations correspondingly more samples must be selected.

Note: The scales show internationally valid SI units: [g], [cm] and [kg/m³]

Scales with Anglo-American units can be supplied on request: [g], [inch] and [lb/ft³].

Please specify when ordering.

Options:

- Piercing tube with special serrated edge D=100, L= approx. 800mm (on request, prod. No. 6885, not compatible with case)

Measurement equipment: Thickness gauge / Test panel for loose insulation (80g) acc. EN15101 and EN14064**Art. 4932**

Thickness gauge for determining installation thickness with open blowing of insulation material (in-situ formed loose fill cellulose -LFCI- and mineral wool -MW) according norm EN15101 and EN14064, consisting of:

- Test panel approx. 80g
- Test rod, L= approx. 500mm

Notes:

- Smooth out any unevenness
- Insert the test rod through the test panel, so there is a maximum distance between the test panel and the test probe
- Pierce the test rod to the bottom of the insulation layer
- Carefully lay the test panel on the insulation layer
- Let the weight of the test panel rest
- Measure the length of the test rod from the test probe to the test panel
- Repeat the test in different areas of the insulation (for example in 10 different places), calculate the average

Measuring instruments: Pressure gauge, D=117mm**Art. 7079**

Pressure gauge for airlock pressure testing, measuring range 0-0.6bar, with practical rubber protective cap. Diameter sealing plate: D= approx. 117mm

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07 Measurement devices Density checking set, pressure gauge, test boxes, settlement rigs, etc.

Measuring instruments: Pressure gauge, universal- NW50/63 (2"/2½")

Art. 9203



Klick me! (Image similar)

Excellent universal pressure gauge NW50/NW63 (2½"/3") for airlock pressure testing, measuring range 0-0.6bar, with practical protective rubber cap.

Can be used for the following connections:

- Air outlet NW50/NW63 (2½"/3")
- Hose line NW50/NW63 (2½"/3")

Notes:

- For pressure measurements on the hose assembly, it is recommended to keep two short pieces of hose NW50 (2") and NW63 (2½") with 2 pieces of hose clamps NW50 (2") and NW63 (2½") each.
- Instructions for quick machine check: See <add link>.

Measuring instruments: Pressure gauge, universal- NW63/75 (2½"/3")

Art. 9566



Klick me! (Image similar)

Excellent universal pressure gauge NW63/NW75 (2½"/3") for airlock pressure testing, measuring range 0-0.6bar, with practical rubber protective cap.

Can be used for the following connections:

- Air outlet NW63/NW75 (2½"/3")
- Hose line NW63/NW75 (2½"/3")

Notes:

- For pressure measurements on the hose line, it is recommended to have two short pieces of hose NW63 (2½") and NW75 (3") with 2 pieces each of hose clamps NW63 (2½") and NW75 (3").
- Machine quick check instructions: <add link>

Measuring instruments: Pressure gauge, universal- NW75/90 (3"/3½")

Art. 8187



Klick me! (Image similar)

Excellent universal pressure gauge NW75/NW90 (3"/3½") for airlock pressure testing, measuring range 0-0.6bar, with practical rubber protective cap.

Can be used for the following connections:

- Air outlet NW75/NW90 (3"/3½")
- Hose line NW75/NW90 (3"/3½")

Notes:

- For pressure measurements on the hose line, it is recommended to keep two short pieces of hose NW75 (3") and NW90 (3½") with 2 pieces each of hose clamps NW75 (3") and NW90 (3½").
- Machine quick check instructions: <https://www.x-floc.com/de/downloads/technische-informationen/>

Measurement device: 0.1 m³ testing unit - Removable lid

Art. 3946



Klick me! (Image similar)

Sturdy and airtight testing unit with removable door and plexiglass for the following applications:

- Test / demonstration of dry injection through an injection rosette with a hose (vertical/ angled/ horizontal).
- Test / demonstration of dry injection with a rotary nozzle through a drill hole (vertical).
- Test / demonstration of open blowing.
- Test / demonstration of damp-spraying.
- Test / demonstration lance injection (lance required).

Test volume: 0.10 cbm

Dimensions: W x D x H = approx. 550 x 334 x 920 mm

Unladen weight with doors: approx. 26 kg

Lid can be removed for easy emptying.

Recommended accessories:

- Measurement device: Scales for testing unit 0,1 m³ (prod. No. 9392)
- Cylinder saws D=106.5 (product no. 1506)
- Thickness gauge (product no. 1831)
- Density testing set (product no. 3770, 4348, 2348, 4349)
- Sealing sponge (product no. 292)

Shipping information:

- When shipping with the parcel service additional costs accrue for the packaging.

Measurement devices: Testing basket (perforated metal crate) V=0.1m³

Art. 315



Klick me! (Image similar)

Test basket for blow-in insulation materials, made of galvanised steel. Complies with the approval regulations.

V = 0.1 m³

Material perforated sheet electrolytic or hot-dip galvanised.

Lid removable, 2 handles and 2 quick-release fasteners stapled, bore Ø 90mm.

Empty weight: approx. 10,5 kg

Recommended accessories:

- Measuring instruments: Scale, Digital (Art.-No. 4544)
- Measuring instruments: Scale, analogue (22kg) with measuring tape (art.-no. 5983)
- Measuring instruments: Scale for test element 0.1 m³ (art. No. 9392) (Note: Display covered by test basket, but can be read directly after taking down)

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07 Measurement devices

Density checking set, pressure gauge, test boxes, settlement rigs, etc.

Impact Excitation Test Bench

Art. 4179



Klick me! (Image similar)

Test rig for settling for the determination of settlement of loose fill insulation respective open blow insulating material.
Suitable for test basket 0,1 m³ or other test bodies. Test rig follows the specifications in the draft of the technical standard ISO/CD 18393 resp.. prEN 15101-1:2010

Lift table with 4 pieces linear units maintained.
Lift: 10 to 110 mm, adjustable in 5 steps.
Power supply: 230V / 50 Hz / PN
Power rating: Appr. 0,8kW
Lift velocity: stepless adjustable
Test cycles adjustable from 1...1000 (and more)
Maximum load: appr. 60 kg
Inclusive butt strap to clamp the test body
Rugged frame made of steel profiles, surface coated
Dimensions: appr. 750 x 750 x 670 (L x W x H)
Weight: appr. 101kg

Options:

- Measurement devices: Testing basket (perforated metal crate) V=0.1m³ (Art.-Nr. 315)
- Measurement device: 0.1 m³ testing unit (Art.-Nr. 3946)

Measurement device: Digital scale for testing basket.

Art. 4544



Klick me! (Image similar)

Digital scales for weighing the testing basket / determining the density.
Measurement range: 0-40kg
Accuracy: +/-1% with >10 kg, +/-100g with 10kg.
Batteries: 2 x AAA LR03
Dimensions: 58 x 25 x 112 mm
Weight: approx. 0.2 kg

08 Electrical accessories

Cables, control cables, distributors, etc.

FFB2000/FFB2000-Pro: Multiflex antenna

Art. 1474



Klick me! (Image similar)

FFB-FM: Multiflex antenna for use with X-Floc radio remote controls.

Technical data:
Length: approx. 130mm
Connection: BNC plug
Amplification: 2,5dbi
Frequency band: 433MHz
Impedance: 50 Ohm

Suitable for:

- FFB 2000 Pro - FM radio / cable remote control (transmitter and receiver)
- FFB 2000 - FM radio / cable remote control (transmitter and receiver)

Alternative:

- FFB2000/FFB2000-Pro: Rod antenna, short (art. no. 11606)

FFB2000/FFB2000-Pro: Whip antenna

Art. 11606



Klick me! (Image similar)

ISM band rod antenna for use with X-Floc radio controls.

Technical data:
Length: approx. 85 mm
Connection: BNC plug
Frequency band: 433MHz
Impedance: 50 Ohm
Temperature range: -30° to +60°.

Suitable for:

- FFB 2000 Pro - FM radio / cable remote control (transmitter and receiver)
- FFB 2000 - FM radio / cable remote control (transmitter and receiver)

Alternative:

- FFB2000/FFB2000-Pro: Multiflex antenna (art. no. 1474)

230V earthed-CEE power adapter, 10m coil

Art. 066



Klick me! (Image similar)

10m coil, H07RN-F 3G2,5
On one end: Rubber two pin earthed plug with dual earthing, 16A
On the other end: CEE-coupling, 3 pole, blue, 16A

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08 Electrical accessories Cables, control cables, distributors, etc.

230V power adapter, two pin earthed Swiss coupling plug, 0.5m

Art. 4555

0.5m, H07RN-F 3G2,5
On one end: Rubber Swiss plug, 10A
On the other end: Rubber Swiss coupling, 16A



Klick me! (Image similar)

230V power adapter, 25m reel with 3x earthed socket.

Art. 1174

25m coil on a hard rubber reel with sturdy double pipe frame, cable: H07RN-F 3G2.5
One end: 230V two pin earthed plug, 3 pole, 16A
Other end: 3 x earthed socket, 3 pole, 16A



Klick me! (Image similar)

230V power adapter, 25m reel, CEE-CEE

Art. 2934

25m on blue/black reel, H07RN-F 3G2.5
One end: CEE-plug, 3 pole, blue, 16A
On the other end: CEE-coupling, 3 pole, blue, 16A



Klick me! (Image similar)

230V power adapter, 25m reel, earthed-CEE

Art. 349

25m on a reel, red/black
H07RN-F 3G2,5
One end: Rubber two pin earthed plug, 16A
On the other end: CEE-coupling, 3 pole, blue, 16A



Klick me! (Image similar)

230V-400V 16A power adapter, 0.5m

Art. 4561

Adapter cable, consists of H07RN-F 3G2.5
1. One end: 230V, 16A rubber plug, earthed
2. Other end: 400V CEE coupling, 16A, red
Length: 0.50m
Please note: Connect phase to L1 and L2 on the CEE coupling.
Please note: Only suitable for EM400: Additional blower extension module (product no.: 4048)



Klick me! (Image similar)

400V power adapter, 10m coil, CEE

Art. 348

10m as coil, H07RN-F 5G2.5
One end: CEE-plug, 5 pole, red, 16A
Other end: CEE-coupling, 5 pole, red, 16A



Klick me! (Image similar)

400V power adapter, 25m coil

Art. 2492

H07RN-F 5G2.5
One end: CEE-plug, 5 pole, red, 16A
Other end: CEE-coupling, 5 pole, red, 16A



Klick me! (Image similar)

400V>230V power adapter, 0.50m

Art. 776

Adapter cable, H07RN-F 3G2.5
1. On one end: 400V CEE plug, 16A, red
2. On the other end: 230V earthed rubber coupling.
Length: 0.50m
Please note: Only connect to one phase



Klick me! (Image similar)

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08 Electrical accessories Cables, control cables, distributors, etc.**400V phase- and neutral conductor monitor with cut-out protective system.****Art. 4553**

Klick me! (Image similariar)

for checking the 3 phase 400V/50Hz (max. 7,5kW) power requirement with neutral conductor.

Function description:

Power supply monitoring with disconnection if faults occur. Robust IP65 metal casing construction, approx. 150x150x120mm with a control lamp.

Description:

Indicator light lights up: Neutral conductor, phase L1, L2, L3 available, rotating field clockwise.

Indicator lamp off:

- Rotating field anticlockwise and/or
- Neutral conductor missing, or not potential free and/or
- Phase L1 and/or L2 and/or L3 are missing.

Phase sequence can be changed at the plug.

Connection with a length of cable with CEE-male coupling and a length of cable with a CEE female coupling, both approx. 0.5m.

400V/3x16A~/N/PE construction.

10m, 230V extension power cable.**Art. 395**

Klick me! (Image similariar)

Description: 10m extension cable, adapter cable H07RN-F3G2.5

1. On one end: 230V rubber plug
2. On the other end: 230V rubber coupling

Control cable 25m, ring (7-core, contact plug/socket)**Art. 2015**

Klick me! (Image similariar)

Extension cable for X-Floc remote control for insulation blowing machines

This extension cable can be used to increase the range of a cable or radio remote control for controlling an X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable or radio remote controls with matching plug system, such as

- M95, M99 (certain models only), EM300, EM400, EM500
- KFB2000, FFB2000, FFB2000-Pro

Functional restrictions are possible when operating insulation blow-in machines of the EM300, EM400 and EM500 series in conjunction with a FFB2000-Pro radio remote control. In this case, please ask our customer service for possible alternatives.

Technical data:

- Cable length: 25m
- Cable: PUR hose line 7 x 0,34mm²
- Plug/socket: Contact 8+1, plug with twist lock
- Weight: approx. 1.7kg

+++++++ Attention, system change ++++++

Since 2009 we only use plugs with twist lock.

Please check the thread of existing cable or mounting sockets.

A socket with a damaged thread must be replaced.

+++++++

Control cable 50m PUR, ring (7-core, contact-plug/-socket)**Art. 2166**

Klick me! (Image similariar)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as

- M95, M99 (certain models only), EM300, EM400, EM500
- KFB2000, FFB2000, FFB2000-Pro

Functional limitations when operating the insulation blowing machines of type EM300, EM400 and EM500 in combination with a radio remote control FFB2000-Pro are possible. In this case, please ask our customer service for possible alternatives.

Technical data:

- Cable length: 50m
- Cable: PUR sheathed cable 7 x 0,34mm²
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 3,2kg

+++++++ Attention, system change ++++++

Since 2009, we only use plugs with twistlock.

Please check the thread at existing cable- or connection socket.

A socket with damaged thread must be replaced.

+++++++

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08 Electrical accessories Cables, control cables, distributors, etc.**Minifant: Extension control cable L=25****Art. 1655****25 m**

Klick me! (Image similar)

Extension control cable for minifant M99 for the following uses:

- Connection and extension of receiver.
- Connection and extension of hand held controls

Attention, different design depending on the series version:

A series: 4-wire cable

B series: 7-wire cable

Please specify when ordering!

Minifant: Extension control cable L=50m**Art. 1814****50 m**

Klick me! (Image similar)

Extension control cable for minifant M99 for the following uses:

- Connection and extension of receiver.
- Connection and extension of hand held controls

Attention, different design depending on the series version:

A series: 4-wire cable

B series: 7-wire cable

Please specify when ordering!

Connector (injection-/extraction-) NW75**Art. 3691**

Klick me! (Image similar)

Hose flange with three drill holes for diverse applications.

Examples:

- Dust suction at the machine attachment
- Fresh air supply

Hose connection: NW75 (3")

Flange plate with three drill holes

VS: Connection control cable for controlling via insulation blowing machine, L= 25 m**Art. 1192**

Klick me! (Image similar)

Connection control cable for operating an amplifier-/vacuum station via an insulation blowing machine.

Consisting of:

- Plug with female insert, 3+1 poles
- Cable, L= approx. 25.0 m
- Plug with male insert, 3+1 poles (machine's side)

Notes:

- Modifiable by customer, for adaptation to other machines
- Control voltage supply 24V- (+/-5%)

VS: Connecting control cable for control from the blowing machine (L = 5m)**Art. 1856**

Klick me! (Image similar)

Connection control cable for operating an amplifier/extractor station, a blow-in refiner or a suitable 24VDC auxiliary device with an X-Floc insulation blow-in machine.

Configuration/technical data:

- Input: 1x plug with pin insert 3+1 poles
- Output: 1x plug with socket insert 3+1 pole
- Cable: 5.0m (4x 1.5qmm)

Hint:

Can also be adapted to non-X-Floc machines ("third-party machines")

Caution: Power supply for control voltage 24V- (+/-5%)

VS: Connection control cable for controlling via insulation blowing machine, L= 50 m**Art. 1193**

Klick me! (Image similar)

Connection control cable for operating an amplifier-/vacuum station via an insulation blowing machine.

Consisting of:

- Plug with female insert, 3+1 poles
- Cable, L= approx. 50.0 m
- Plug with male insert, 3+1 poles (machine's side)

Notes:

- Modifiable by customer, for adaptation to other machines
- Control voltage supply 24V- (+/-5%)

VS: Twin-control adapter**Art. 1739**

Klick me! (Image similar)

For controlling multiple auxiliary devices (slaves, e.g. amplifier/vacuum unit) from one control unit (master, e.g. Zellofant M95 or Minifant M99).

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09	Spare parts	Sealings, filters, wering parts, etc.
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6.7KW zellofant suction hood

Art. 4906



Klick me! (Image similar)

Suction hood for 6.7KW zellofants, for suction of air with a hose (D=90mm / 3") in low dust environments.
Powder coated finish
Colour: Flame red RAL 3000

AS: Disposable respirator mask FFP without ventex valve

Art. 10300



Klick me! (Image similar)

Normes: CE, EN 149:2001 + A1:2009
Automatically fits to the face, 100% PVC-FREE
Protection against harmful dusts, smoke and aerosols based on water and oil.
Up to 10 times the AGW.

AS: Insulation respiratory protection EA1500 complete set

Art. 11086



Klick me! (Image similar)

Insulation respiratory protection EA1500 in a complete set

Mobile respiratory protection for safe working in particle-laden environments.
Approved for the highest protection class TH3. Ideal for use when working with loose insulation materials such as cellulose, wood fibre, glass wool, rock wool, perlite and many more.

Examples of use:

- Cavity wall blowing of loose insulation materials
- Open (Attic) blowing of loose insulation materials

Advantages:

- Compact, lightweight blower
- Ergonomic, high comfort
- Easy operation and handy shape
- Active airflow regulation and automatic monitoring function
- Robust construction, ideally suited for construction site use
- Easy replacement of spare parts and components in case of maintenance
- Exchangeable lithium-ion battery

Technical data:

- Blower Approvals: CE certified according to EN 12941 (TH3)
- Air output: Adjustable on the unit in five steps (170-240l/min.)
- Alarm system: Audible and visual alarm
- Alarms: Air flow, battery capacity
- Battery: Lithium-ion battery: 7.2V / 5.2Ah
- Battery operating time: up to 10 hours (depending on pollutant concentration and set air flow)
- Battery charging time: approx. 4 hours
- Temperature range: 0°C to 60°C
- Weight: approx. 880g (with battery / with filter / without belt)

Scope of delivery:

- Breathing air blower
- Breathing air hose
- Comfort belt
- UniMask face shield
- 1x particle filter, 10 pre-filters
- Air flow indicator
- Battery incl. Battery charger
- Instruction manual

Recommendation:

- We strongly recommend the use of a pre-filter, otherwise the service life of the particle filter will be considerably shortened.

Note:

- the battery is partially charged when delivered, it is recommended to fully charge the battery before first use.

Matching accessories:

- AS: EA1500/1800 Bag (art. No. 11125)

Consumables/spare parts:

- AS: EA1500/1800 Face shield UniMask (art.- no. 11085)
- AS: EA1500/1800 Replacement lens for face shield UniMask (art.-No. 11126)

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09	Spare parts	Sealings, filters, wering parts, etc.
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- AS: EA1500/1800 Face seal for face shield UniMask (art.-No. 11127)
- AS: EA1500/1800 Breathing air hose for UniMask (Art.-No. 1826)
- AS: EA1500 Particle filter P3 (2 pcs.) (Art.-No. 1838)
- AS: EA1500 Prefilter (10 pcs.) (Art.-No. 1860)
- AS: EA1500 Rechargeable battery (item no. 11087)
- AS: EA1500 Battery charger (art.-no. 11088)

AS: Insulation respiratory protection EA1800 complete set

Art. 11162



Klick me! (Image similaf)

Insulation respiratory protection EA1800 in a complete set

Mobile respiratory protection for safe working in particle-laden environments.
Approved for the highest protection class TH3. Ideal for use when working with loose insulation materials such as cellulose, wood fibre, glass wool, rock wool, perlite and many more.

Examples of use:

- Compressed blowing in of loose insulating materials
- Open blowing of loose insulation materials

Advantages:

- Compact, lightweight blower
- Very slim profile, depth 65 mm only
- Ergonomic, high comfort
- Easy operation and handy shape
- Active airflow regulation and automatic monitoring function
- Robust construction, ideally suited for construction site use
- Easy replacement of spare parts and components in case of maintenance
- Exchangeable lithium-ion battery

Technical data:

- Blower Approvals: CE certified according to EN 12941 (TH3)
- Air output: Adjustable on the unit in four steps (160-210l/min.)
- Alarm system: Audible, visual and vibration alarm
- Alarms: Air flow, battery capacity
- Battery: Lithium-ion battery: 14.4V / 2.6Ah
- Battery operating time (standard): up to 10 hours
(depending on pollutant concentration and set airflow)
- Battery charging time: approx. 3 hours
- Temperature range: 0°C to 60°C
- Dimensions: 235 x 126 x 65 mm
- Weight: approx. 980g (with standard battery / with filter / without belt)

Scope of delivery:

- Breathing air blower
- Breathing air hose
- Comfort belt
- Unimask face shield
- 2 pcs. Particle filters, 2 pcs. Pre-filters, 2 pcs. Spark arrestor
- Airflow indicator
- Standard battery incl. Battery charger
- Instruction manual

Recommendation:

- we strongly recommend the use of a pre-filter, otherwise the service life of the particle filter will be considerably shortened

Note:

- the battery is partially charged when delivered, it is recommended to fully charge the battery before first use.

Matching accessories:

- AS: EA1500/1800 bag (art.-no. 11125)
- AS: EA1800 Rechargeable battery (high capacity) (art.-no. 11183)

Consumables/spare parts:

- AS: EA1800 Particle filter P3 (2 pcs.) (art.-no. 11170)
- AS: EA1800 Prefilter (10 pcs.) (art.-no. 11176)
- AS: EA1800 Blower unit (art.-no. 11163)
- AS: EA1500/1800 Face shield UniMask (art.-no. 11085)
- AS: EA1500/1800 Replacement lens for face shield UniMask (art.-no. 11126)
- AS: EA1500/1800 Face seal for face shield UniMask (art.-no. 11127)
- AS: EA1500/1800 Breathing air hose for UniMask (art.-no. 1826)
- AS: EA1800 Rechargeable battery (standard) (art.-no. 11181)
- AS: EA1800 Battery charger (art.-no. 11184)

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09 Spare parts Sealings, filters, wering parts, etc.

AS: Insulation respiratory protection EA1800 R2W (Case)

Art. 11167



Klick me! (Image similar)

Blow-in breathing protection EA1800 complete set in a in robust plastic case

Mobile respiratory protection for safe working in particle-laden environments.

Approved for the highest protection class TH3. Ideal for use when working with loose insulation materials such as cellulose, wood fibre, glass wool, rock wool, perlite and many more.

Examples of use:

- Compressed blowing in of loose insulating materials
- Open blowing of loose insulation materials

Advantages:

- Compact, lightweight blower
- Very slim profile, depth 65 mm only
- Ergonomic, high comfort
- Easy operation and handy shape
- Active airflow regulation and automatic monitoring function
- Robust construction, ideally suited for construction site use
- Easy replacement of spare parts and components in case of maintenance
- Exchangeable lithium-ion battery

Technical data:

- Blower Approvals: CE certified according to EN 12941 (TH3)
- Air output: Adjustable on the unit in four steps (160-210l/min.)
- Alarm system: Audible, visual and vibration alarm
- Alarms: Air flow, battery capacity
- Battery: Lithium-ion battery: 14.4V / 2.6Ah
- Battery operating time (standard): up to 10 hours (depending on pollutant concentration and set airflow)
- Battery charging time: approx. 3 hours
- Temperature range: 0°C to 60°C
- Dimensions: 235 x 126 x 65 mm
- Weight: approx. 980g (with standard battery / with filter / without belt)

Scope of delivery:

- Breathing air blower
- Breathing air hose
- Comfort belt
- Unimask face shield
- 2 pcs. Particle filters, 2 pcs. Spark arrestor, 2 pcs. Pre-filters
- Airflow indicator
- Standard battery incl. Battery charger
- Instruction manual
- Plastic case

Recommendation:

- We strongly recommend the use of a pre-filter, otherwise the service life of the particle filter will be considerably shortened.

Note:

- the battery is partially charged when delivered, it is recommended to fully charge the battery before first use.

Matching accessories:

- AS: EA1800 Rechargeable battery (high capacity) (art.-no. 11183)

Consumables/spare parts:

- AS: EA1800 Particle filter P3 (2 pcs.) (art.-no. 11170)
- AS: EA1800 Prefilter (10 pcs.) (art.-no. 11176)
- AS: EA1800 Blower unit (art.-no. 11163)
- AS: EA1500/1800 Face shield UniMask (art.-no. 11085)
- AS: EA1500/1800 Replacement lens for face shield UniMask (art.-no. 11126)
- AS: EA1500/1800 Face seal for face shield UniMask (art.-no. 11127)
- AS: EA1500/1800 Breathing air hose for UniMask (art.-no. 1826)
- AS: EA1800 Rechargeable battery (standard) (art.-no. 11181)
- AS: EA1800 Battery charger (art.-no. 11184)

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09 Spare parts Sealings, filters, wering parts, etc.

AS: Insulation respiratory protection EA3000 complete set

Art. 9613



Klick me! (Image similar)

Insulation respiratory protection EA3000 in complete set

Mobile respiratory protection for safe work in environments with particle loads. Released for the highest protection class TH3.

Suitable for:

- Safe work in environments with particle loads
- Daily work assignment

Advantages:

- Easy to operate and handy form
- Pleasant wearing comfort
- Ultralight
- Active air flow adjustment and automatic monitoring function
- Average operating time of up to approx. 9 hours, depending on the operation intensity

Technical details:

- Dimensions blower (LxBxT): approx. 21x21x6cm
- Weight blower (without filter and battery): approx. 640g
- Type of battery: Li-Ion battery
- Battery operating time: up to approx. 9 hours, depending on the operation intensity
- Battery charging time: approx. 6 hours
- Air performance: min. 160l/min., automatic adjustment
- Control panel: status display, battery display, alarm status (small amount of airflow, low battery charge)
- Volume of the blowers in during operation: <70dB
- Temperature range: -10°C to +50°C
- Protection class: TH3
- Approvals: EN12941 - CE0086

Scope of delivery:

- Respiratory protection blower
- Standard belt (overall length approx. 120cm)
- Face shield with anti-fogging viewing glass, face seal and wide elastic headband
- Breathing hose with bajonet catch
- 2x particle filters incl. Prefilter sets (prefilter holders and prefilters)
- Rechargeable battery incl. Charging cradle, charger and several connectors

Optional accessories:

- Long-life rechargeable battery with an operating time up to approx. 18 hours (prod. No. 8321)
- Standard rechargeable battery (prod. No. 8322)
- Comfort belt (prod. No. 8323)
- AS: Automask face seal (prod. No. 701)
- AS: protective films for Multimask (10 pieces) (prod. No. 10337)

AS: Insulation respiratory protection EA4000 complete set Size M/L

Art. 9689



Klick me! (Image similar)

Blow-in respiratory protection EA4000 as complete set

Mobile breathing protection for safe working in particle-laden environments. Approved for the highest protection class TH3.

Suitable for:

- safe working in particle-laden environments
- the daily work input

Advantages:

- Low noise level
- Simple operation and handy shape
- Ergonomic, high wearing comfort
- Active airflow regulation and automatic monitoring function
- Intelligent 2-step warning system
- Robust construction suitable for construction site use with protection class IP 65
- Can be combined with different filter attachments
- Easy replacement of spare parts and components in case of maintenance

Technical data:

- Blower operating mode: CE certified according to EN 12941 (TH3)
- Approvals: CE certified according to EN 12942 (TM3) / EN 138: Class B / PPE regulation
- Air flow rate: Adjustable on the unit in three stages (automatic readjustment)
- Airflow warning
- Battery warning
- Battery: Lithium-ion battery: 14.4V / 3.4Ah / 49WH
- Battery operating time: approx. 8 to 10 hours (depending on the concentration of pollutants and the set air flow)
- Battery charging time: approx. 2.5 hours (quick charge function charges the battery up to 80% in 1 hour)
- Temperature range: -10°C to +40°C
- Weight: approx. 1100g (with battery / without filter / without belt)
- Alarm system: Optical alarm (indicated on the colour display with error code)
- Audible alarm (> 75 dB)
- Vibrating alarm

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09**Spare parts****Sealings, filters, wering parts, etc.**

- IP Protection class: IP65

Scope of delivery:

- Respirator blower
- Standard belt (total length approx. 120cm)
- Face shield with anti-fogging lens, face seal and wide rubber headband
- Breathing air hose with bayonet lock
- 2x particle filter incl. pre-filter
- Battery incl. charger, charger and various connection plugs

Optional accessories:

- AS: particulate filter P3 R/PSL (prod. No. 9690)
- AS: protective films for Multimask (10 pieces) (prod. No. 10337)

AS: Breathing Protection EA5000 Complete Set for insulation blowing applications**Art. 10232**

Klick me! (Image similar)

EA5000 blow-in breathing protection in a complete set

Mobile respiratory protection for safe working in particle-laden environments.

Approved for the highest protection class TH3. Ideal for use when working with loose insulation materials such as cellulose, wood fibre, glass wool, rock wool, perlite and many more.

Examples of use:

- Retrofit of insulation blowing materials
- Open blowing of insulation blowing materials

Advantages:

- Compact, lightweight blower
- Ergonomic, high comfort
- Easy to operate and handy shape
- Active airflow regulation and automatic monitoring function
- Intelligent 2-step warning system
- Robust construction suitable for construction site use with protection class IP67
- Easy replacement of spare parts and components in case of maintenance
- Easily replaceable lithium-ion battery

Technical data:

- Blower Approvals: CE certified according to EN 12941 (TH3) / CE certified according to EN 12942 (TM3)
- Air output: Adjustable on the unit in two stages
- Airflow warning
- Battery warning
- Battery: Lithium-ion battery: 14.4V / 2.25Ah / 30.4Wh
- Battery operating time: up to 8 hours (depending on pollutant concentration and airflow setting)
- Battery charging time: approx. 2 hours
- Temperature range: -10°C to +55°C
- Weight: approx. 1100g (with battery / with filter / without belt)
- Alarm system: Acoustic and optical alarm (shown on colour display with symbols)
- IP protection class: IP67

Scope of delivery:

- Breathing blower
- belt
- Fold-up face shield with breathing tube
- particle filter 2 pieces, pre-filter 10 pieces, pre-filter holder 2 pieces, filter adapter 2 pieces
(To increase the service life of the particle filter, we recommend the use of prefilters).
- Air flow meter
- Cleaning cloth
- Set of sealing plugs
- Battery incl. battery charger
- Operating instructions

Recommendation: The battery is partially charged when delivered, it is recommended to fully charge the battery before first use.

Consumables/spare parts (specify when ordering):

- AS: EA5000 face shield (item no. 10218).
- AS: EA5000 Face shield sweatband (item no. 10219)
- AS: EA5000 Exhalation membrane for face shield (Art.-No. 10220)
- AS: EA5000 Visor for face shield (Art.-No. 10221)
- AS: EA5000 Breathing tube for face shield (Art.-No. 10222)
- AS: EA5000 Protective foils for face shield (PU=10 pcs) (Art.-No. 10224)
- AS: EA5000/EA5500 particle filter (with connection adapter) (item no. 10229)
- AS: EA5000/EA5500 particle filter (without connection adapter) (item no. 10628)
- AS: EA5000/5500 pre-filter (PU=5 pcs.) (Art.-No. 10225)
- AS: EA5000/5500 rechargeable battery (item no. 10231)
- AS: EA5000/5500 bag (item no. 10546)

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09 Spare parts Sealings, filters, wering parts, etc.

AS: Breathing Protection EA5000 Complete Set for insulation blowing applications

Art. 10660



EA5000 blow-in breathing protection in a complete set

Mobile respiratory protection for safe working in particle-laden environments.

Approved for the highest protection class TH3. Ideal for use when working with loose insulation materials such as cellulose, wood fibre, glass wool, rock wool, perlite and many more.

Examples of use:

- Retrofit of insulation blowing materials
- Open blowing of insulation blowing materials

Advantages:

- Compact, lightweight blower
- Ergonomic, high comfort
- Easy to operate and handy shape
- Active airflow regulation and automatic monitoring function
- Intelligent 2-step warning system
- Robust construction suitable for construction site use with protection class IP67
- Easy replacement of spare parts and components in case of maintenance
- Easily replaceable lithium-ion battery

Technical data:

- Blower Approvals: CE certified according to EN 12941 (TH3) / CE certified according to EN 12942 (TM3)
- Air output: Adjustable on the unit in two stages
- Airflow warning
- Battery warning
- Battery: Lithium-ion battery: 14.4V / 2.25Ah / 30.4Wh
- Battery operating time: up to 8 hours (depending on pollutant concentration and airflow setting)
- Battery charging time: approx. 2 hours
- Temperature range: -10°C to +55°C
- Weight: approx. 1100g (with battery / with filter / without belt)
- Alarm system: Acoustic and optical alarm (shown on colour display with symbols)
- IP protection class: IP67

Scope of delivery:

- Breathing blower
- belt
- Fold-up face shield with breathing tube
- particle filter 2 pieces, pre-filter 10 pieces, pre-filter holder 2 pieces, filter adapter 2 pieces (To increase the service life of the particle filter, we recommend the use of prefilters).
- Air flow meter
- Cleaning cloth
- Set of sealing plugs
- Battery incl. battery charger
- Operating instructions

Recommendation: The battery is partially charged when delivered, it is recommended to fully charge the battery before first use.

Consumables/spare parts (specify when ordering):

- AS: EA5000 face shield (item no. 10218).
- AS: EA5000 Face shield sweatband (item no. 10219)
- AS: EA5000 Exhalation membrane for face shield (Art.-No. 10220)
- AS: EA5000 Visor for face shield (Art.-No. 10221)
- AS: EA5000 Breathing tube for face shield (Art.-No. 10222)
- AS: EA5000 Protective foils for face shield (PU=10 pcs) (Art.-No. 10224)
- AS: EA5000/EA5500 particle filter (with connection adapter) (item no. 10229)
- AS: EA5000/EA5500 particle filter (without connection adapter) (item no. 10628)
- AS: EA5000/5500 pre-filter (PU=5 pcs.) (Art.-No. 10225)
- AS: EA5000/5500 rechargeable battery (item no. 10231)
- AS: EA5000/5500 bag (item no. 10546)

AS: Einblasatenschutz EA5500 Komplett-Set

Art. 10234



English version in preparation: Einblasatenschutz EA5500 im Komplett-Set

Mobiler Atemschutz für ein sicheres Arbeiten in partikelbelasteter Umgebung.

Freigegeben für die höchste Schutzklasse TH3. Optimale Eignung zur Verwendung beim Verarbeiten von losen Dämmstoffen wie z.B. Zellulose, Holzfasern, Glaswolle, Steinwolle, Perlite u.v.m.

Verwendungsbeispiele:

- Verdichtetes Einblasen von losen Dämmstoffen
- Offenes Aufblasen von losen Dämmstoffen

Geeignet für:

- ein sicheres Arbeiten in partikelbelasteter Umgebung
- den täglichen Arbeitseinsatz

Vorteile:

- Einfaches Bedienen und handliche Form

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- Ergonomischer, hoher Tragekomfort
- Aktive Luftstromregulierung und automatische Überwachungsfunktion
- Intelligentes 2-Stufen Warnsystem
- Robuste Bauweise geeignet für Baustelleneinsatz mit Schutzklasse IP67
- Einfacher Austausch von Ersatzteilen und Komponenten im Wartungsfall
- Leicht wechselbarer Lithium-Ionen Akku

Technische Daten:

- Gebläse Zulassungen: CE zertifiziert nach EN 12941 (TH3) / CE zertifiziert nach EN 12942 (TM3)
- Luftleistung: Einstellbar am Gerät in zwei Stufen
- Luftstromwarnung
- Akkuwarnung
- Akku: Lithium-Ionen Akku: 14,4V / 2,25Ah / 30,4Wh
- Akku-Betriebsdauer: bis zu 8 Stunden (abhängig von der Schadstoffkonzentration und dem eingestellten Luftstrom)
- Akkuladezeit: circa 2 Stunden
- Temperaturbereich: -10°C bis +55°C
- Gewicht: ca. 1100g (mit Akku / mit Filter / ohne Gurt)
- Alarmsystem: Akustischer und optischer Alarm (Anzeige am Farbdisplay mit Symbolen)
- IP Schutzklasse: IP67

Lieferumfang:

- Atemschutzgebläse
- Gürtel
- Helm mit hochklappbarem Gesichtsschild und Atemluftschlauch
- Partikelfilter 2 Stück, Vorfilterset 10 Stück, Vorfilterhalter 2 Stück, Filteradapter 2 Stück
(Zur Erhöhung der Standzeit des Partikelfilters empfehlen wir den Einsatz von Vorfiltern.)
- Luftstrommesser
- Reinigungstuch
- Verschlussstöpselsatz
- Akku inkl. Akkuladegerät
- Betriebsanleitung

Empfehlung: Der Akku ist bei Anlieferung teilgeladen, es wird empfohlen vor der ersten Verwendung den Akku vollständig zu laden.

Verbrauchsartikel / Ersatzteile (ggf. bei Bestellung spezifizieren):

- AS: EA5500 Helm mit Gesichtsschild (Art.-Nr. 10230)
- AS: EA5500 Schweißband für Gesichtsschild (Art.-Nr. 10226)
- AS: EA5500 Ausatemungsmembransatz für Gesichtsschild (Art.-Nr. 10263)
- AS: EA5500 Sichtscheibe für Gesichtsschild (Art.-Nr. 10260)
- AS: EA5500 Atemschlauch für Gesichtsschild (Art.-Nr. 10261)
- AS: EA5500 Schutzfolien für Gesichtsschild (VPE=10 St.) (Art.-Nr. 10262)
- AS: EA5000 / EA5500 Partikelfilter für Gebläse (Art.-Nr. 10229)
- AS: EA5000 / EA5500 Vorfilter (VPE=5 St.) (Art.-Nr. 10225)
- AS: EA5000 / EA5500 Akku (Art.-Nr. 10231)

Wichtiger Hinweis (Stand 17.11.2021):

Mitgliedsbetriebe der Berufsgenossenschaft Bau (BG Bau) können eine Arbeitsschutzprämie in Höhe von bis zu 50% der Anschaffungskosten oder maximal 500,- EUR beantragen. Weitere Informationen dazu siehe z.B.

<https://www.bgbau.de/service/angebote/arbeitschutzpraemien/paemie/geblaeseunterstuetzte-filtergeraete-mit-helm/>

AS: protective films for Multimask (10 pieces)**Art. 10337**

Tear-off protective films to protect the visor from scratches.



Klick me! (Image similar)

Protective films suitable for:

- AS: Multimask - Complete set size M (Art.-no. 9763)
- AS: Multimask - Complete set size M/L (Art.-no. 7090)
- AS: Multimask Pro face shield, silicone - universal size (Art.-no. 9764)

Air outlet NW90 (3½") Upgrade from NW75 to NW90**Art. 7109**

Due to the blow-out console, the machine has a blow-out nozzle with connection NW90 (3½"). This allows an increase in material flow of up to 35%.



Klick me! (Image similar)

Can be used for:

- Zellofant M95 with blow-out connection NW75 (3"), all variants.
- EM3XX with outlet connection NW75 (3"), all variants.

Options:

- Measuring devices: Pressure gauge, D=117mm (art. no. 7079)

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09 Spare parts

Sealings, filters, wering parts, etc.

Auswertegerät 82b-1: Addon-Card analog output

Art. 9833

Addon-card for Display-unit 82b-1

Adjustable voltage- or power-output
- analog signal according to the gross or net weight value



Klick me! (Image similier)

Auswertegerät 82b-1: Addon-Card analog output

Art. 11750

Addon-card for Display-unit 82b-1

Adjustable voltage- or power-output
- analog signal according to the gross or net weight value



Klick me! (Image similier)

Auswertegerät 83sigma: Anschlusskabel-Verlängerung RS232 10,0m

Art. 11826

English version in preparation: Anschlusskabel-Verlängerung seriell (RS232) für ein Auswertegerät, z.B. 83Sigma.
Kann zum Anschluss einer Fernanzeige an eine Auswerteeinheit verwendet werden.
2x Sub-D-Stecker, 9pol.
Kabellänge: 2,4m



Klick me! (Image similier)

Geeignet für:
- Auswertegerät 83sigma (12-25V) (Art.-Nr. 11228)

Auswertegerät 82b-1: Addon-Card analog output

Art. 11749

Addon-card for Display-unit 82b-1

Adjustable voltage- or power-output
- analog signal according to the gross or net weight value



Klick me! (Image similier)

Auswertegerät 83sigma: Fernanzeige

Art. 11824

English version in preparation: Fernanzeige zur Verwendung als Zweitanzeige für ein Auswertegerät, z.B. 83Sigma.
7-Segment LED-Anzeige in einem Edelstahlgehäuse mit Schutzart IP67.
Inklusive einstellbarer Wandhalterung (Neigungswinkel).



Klick me! (Image similier)

Technische Daten:
- Display: einzeilig, 7-Segment mit superhellen LED, 6stellig (dargestellte Ziffern entsprechend der Stellenzahl des angeschlossenen Auswertegerätes)
- Ziffernhöhe: 45 mm
- Anzeige der Wägefunktionen: Ja
- Umschaltung der Einheit im Wägebetrieb: Ja
- Helligkeitsregelung: manuell
- Ablesentfernung: bis ca. 15 m
- Gehäuse: Edelstahl, mit Wandbefestigung
- Oberflächenschutz: Edelstahl
- Schutzart: IP 67
- Netzanschluss: 80 - 230 V, 15 VA
- Netzkabel: 1,9 m mit Schukostecker
- Datenkabellänge: nach Kundenangabe, bei RS232 Datenkabellänge bis 40 m möglich, bei TTY bis 200 m
- Schnittstelle (wahlweise): RS232, TTY, Ethernet (Option)
- Baudrate: 600 - 19200 Baud
- Unterstützte Datensätze: feste Auswahl
- Temperaturbereich: -20°C bis +60°C

Geeignet für:
- Auswertegerät 83sigma (12-25V) (Art.-Nr. 11228)

Auswertegerät 83sigma: Anschlusskabel-Verlängerung RS232 10,0m

Art. 11838

English version in preparation: Anschlusskabel-Verlängerung seriell (RS232) für ein Auswertegerät, z.B. 83Sigma.
Kann zum Anschluss einer Fernanzeige an eine Auswerteeinheit verwendet werden.
2x Sub-D-Stecker, 9pol.
Kabellänge: 2,4m



Klick me! (Image similier)

Geeignet für:
- Auswertegerät 83sigma (12-25V) (Art.-Nr. 11228)

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09 Spare parts Sealings, filters, wering parts, etc.

Mains adapter test plug, 400V/32A

Art. 9565



Klick me! (Image similar)

CEE test plug for checking a three-phase current supply.

Wiring errors and errors in the rotating field, as well as the lack of a phase at a CEE socket, can be detected easily and safely with this test plug.

The plug's housing is made of impact-resistant polyamide, the plug itself is splash-proof.

Technical details:

- Suitable for: 400V/32A
- Protective earthing position: 6h
- Protection class: IP44
- Test mark/test: CE, IEC 60309

DD: Rotary nozzle 50>18mm / 45° outlet (increased wear-resistance)

Art. 10775



Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigidbead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 278 mm
- Overall length: 390 mm
- Nozzle pipe: outer diameter 18 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: 45°
- Bore hole: 18 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

DD: Rotary nozzle 50>24mm / 45° outlet (increased wear-resistance)

Art. 6291



Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigidbead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 278 mm
- Overall length: 390 mm
- Nozzle pipe: outer diameter 24 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: 45°
- Bore hole: 24 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

DD: Rotary nozzle 50>29mm / 45° outlet (increased wear-resistance)

Art. 8081



Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigidbead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.

Technical details:

- Material: aluminium, steel
- Insertion depth: max. 300 mm
- Overall length: 420 mm
- Nozzle pipe: inner diameter 26 mm, outer diameter 30 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: 45°
- Bore hole: 30 mm

Scope of delivery:

- Rotary nozzle with carrying belt, distance ring and operating instructions

DD: Rotary nozzle 50>35mm / 45° outlet (increased wear-resistance)

Art. 6297



Klick me! (Image similar)

Rotary nozzle for injecting insulation material.

Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigidbead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.





Technical details:

- Material: aluminium, steel
- Insertion depth: max. 195 mm
- Overall length: 337 mm
- Nozzle pipe: inner diameter 32 mm, outer diameter 35 mm
- Hose connection: NW50 (2"), rotatable
- Nozzle outlet: angled, 45°

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09	Spare parts	Sealings, filters, wering parts, etc.	
	<ul style="list-style-type: none"> - Bore hole: 35 mm <p>Scope of delivery:</p> <ul style="list-style-type: none"> - Rotary nozzle with carrying belt, distance ring and operating instructions <p><u>DD: Rotary nozzle 63>35mm / 45° outlet (increased wear-resistance)</u></p> <p>Rotary nozzle for injecting insulation material.</p> <p>Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.</p> <p>Technical details:</p> <ul style="list-style-type: none"> - Material: aluminium, steel - Insertion depth: max. 195 mm - Overall length: 333 mm - Nozzle pipe: inner diameter 32 mm, outer diameter 35 mm - Hose connection: NW63 (2,5"), rotatable - Nozzle outlet: angled, 45° - Bore hole: 35 mm <p>Scope of delivery:</p> <ul style="list-style-type: none"> - Rotary nozzle with carrying belt, distance ring and operating instructions 		Art. 7146
	 <p>Klick me! (Image similiar)</p>		
	<p><u>DD: Rotary nozzle 63>35mm outlet spoon shape</u></p> <p>Rotary nozzle for injecting insulation material.</p> <p>Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.</p> <p>Technical details:</p> <ul style="list-style-type: none"> - Material: aluminium, steel - Insertion depth: max. 195 mm - Overall length: 337 mm - Nozzle pipe: inner diameter 21 mm, outer diameter 35 mm - Hose connection: NW63 (2,5"), rotatable - Nozzle outlet: spoon shape - Bore hole: min. 35 mm <p>Scope of delivery:</p> <ul style="list-style-type: none"> - Rotary nozzle with carrying belt, distance ring and operating instructions 		Art. 8503
	 <p>Klick me! (Image similiar)</p>		
	<p><u>DD: Rotary nozzle 75>50mm / 45° outlet (increased wear-resistance)</u></p> <p>Rotary nozzle for injecting insulation material.</p> <p>Well suited for insulation works at large filling radii and when processing loose bulkware (e.g. SLS20, Rigibead, HK35, Thermofill S, Knauf Perlite and many more.). Enables a good suggestibility of the material flow.</p> <p>Technical details:</p> <ul style="list-style-type: none"> - Material: aluminium, steel - Insertion depth: max. 223 mm - Overall length: 370 mm - Hose connection: NW75 (3"), rotatable - Nozzle outlet: 45° - Bore hole: 52 mm <p>Scope of delivery:</p> <ul style="list-style-type: none"> - Rotary nozzle with carrying belt, distance ring and operating instructions 		Art. 8128
	 <p>Klick me! (Image similiar)</p>		
	<p><u>DDE: Rotary nozzle J-Jet 75>75 for 145-800 mm insulation thickness</u></p> <p>Vented rotary nozzle J-Jet 75>75 for blowing in wall constructions.</p> <p>Product description:</p> <p>Rotatable nozzle tube d=85 for filling corners. Hose connection NW75 (3") with easily rotatable coupling piece. Venting via perforated aluminium cage and dust bag. Fixation in the injection hole by means of a lever-locked sash lock. Adjustable flange for planking materials of different thicknesses (10..75 mm).</p> <p>Applicability with regard to insulation thickness:</p> <ul style="list-style-type: none"> >145 mm: optimal application, fixable with sash lock 120..160 mm: can be used without fixation <p>Drill hole diameter for fixing: Ø 105-120 mm (larger drill holes possible with adapter)</p> <p>Dimensions: approx. 360 mm x 105 mm (LxD)</p> <p>Hose connection: NW75 (3")</p> <p>Tube diameter: 75 mm (outside)</p> <p>Weight: approx. 2.6 kg</p> <p>Optional accessories:</p> <ul style="list-style-type: none"> - Cylinder saw hard metal tipped D=105 mm (art. no. 4966) 		Art. 8477
	 <p>Klick me! (Image similiar)</p>		

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09 Spare parts Sealings, filters, wering parts, etc.

DDE: Hole saw with ejection system complete D= 65 mm

Art. 5038



Klick me! (Image similiar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,5 kg
- Cutting depth: approx. 58 mm
- Diameter: 65 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system complete D= 68 mm

Art. 8059



Klick me! (Image similiar)

Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0,5 kg
- Cutting depth: approx. 58 mm
- Diameter: 68 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

DDE: Hole saw with ejection system complete D=95 mm

Art. 11529



Klick me! (Image similiar)

Hole saw for drilling blow-in openings. Suitable for drilling holes suitable for blow-in hoses, blow-in orifices, rotary nozzles of the type J-Jet, S-Jet, exhaust pipes or similar.

Advantages:

- Unique shaft system
- Easy removal of the drill core in seconds
- Short drilling times
- Large tooth pitch enables optimum chip removal even at maximum depth
- No clogging or burning of the carbide teeth
- Especially for wood, softwood fibreboards, chipboards, coated wood boards, hardboard, PVC, glass fibre material, plasterboard, aerated concrete, clay bricks, Yton bricks and many more.

Technical data:

- Material: hard metal
- Weight: approx. 0.7 kg
- Cutting depth: approx. 58 mm

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- Diameter: 95 mm with complete holder
- Centre drill and mounting shank in reinforced design

Notes:

- Unsuitable for percussion drilling
 - Always clamp on the 3 clamping surfaces of the shank
 - Use only with hand feed and only on hand drills
- You can also find a description in the flyer or at www.x-floc.com.

Alternatives (e.g.):

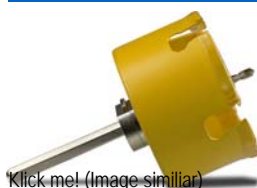
- DDE: Hole saw with ejection system complete D=98mmart.-no.7536)
- Many other diameters available

Optional accessories / spare parts:

- DDE: HSS drill bit for hole saw with ejection system (all sizes) (art.-no. 5032)
- Hole saw with ejection system: SDS adapter (Art.-No. 6492)

DDE: Hole saw with ejection system complete D= 98 mm

Art. 7536



Hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Unique shaft system
- Quick and easy removing of the drill core
- Short drilling times
- Big tooth pitches enable an optimum chip removal even at maximum depth
- No clogging or burning of the hard metal teeth
- Optimized for wood, wood fiber panels, chipboards, coated wood panels, hardboard, PVC, glass fiber material, plasterboard, aerated concrete, clay tiles, Yton stones and many more

Technical details:

- Material: hard metal
- Weight: approx. 0.8 kg
- Cutting depth: approx. 58 mm
- Diameter: 98 mm with complete seating

Note:

- Not suitable for percussion drilling
- Always to be tensioned on the 3-clamping surfaces of the shaft
- To be used with manual feeding and on hand drills only

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories / spares:

- HSS Drill bit for ejection system (Prod. No. 5032)
- Hole saw with ejection system: SDS adaptor (prod. no. 6492)

HSS Drill bit for ejection system

Art. 10647



Use: For all pad saws with ejection systems

HSS Drill bit for ejection system

Art. 10648



Use: For all pad saws with ejection systems

DDE: Hole saw with ejection system: Drill body D=105.0mm

Art. 11242



Drill body with integrated ejection mechanism.

Advantages:

- Unique shank system
- Easy removal of the drill core in seconds
- Short drilling times
- Large tooth pitch enables optimum chip removal even at maximum depth
- No clogging or burning of the carbide teeth

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- Especially for wood, softwood fibreboards, chipboards, coated wood boards, hardboard, PVC, glass fibre material, plasterboard, aerated concrete, clay bricks, Yton bricks and many more.

Technical data:

- Material: hard metal
- Weight: approx. 0.5 kg
- Cutting depth: approx. 58 mm
- Diameter: 106.5 mm

Hints:

- Unsuitable for percussion drilling
- Always clamp on the 3 clamping surfaces of the shank
- Use only with hand feed and only on hand drills

Suitable for:

- DDE: Hole saw with ejector system complete D=105.0mm (art.-no. 10225)

Accessories:

- DDE: Hole saw with ejection system: HSS drill bit (all sizes) (art.-no. 5032)
- Hole saw with ejection system: SDS adapter (art.-no. 6492)

DDE: Hole saw with ejection system: Drill body D=95mm

Art. 11528



Klick me! (Image similar)

Drill body with integrated ejection mechanism.

Advantages:

- Unique shank system
- Easy removal of the drill core in seconds
- Short drilling times
- Large tooth pitch enables optimum chip removal even at maximum depth
- No clogging or burning of the carbide teeth
- Especially for wood, softwood fibreboards, chipboards, coated wood boards, hardboard, PVC, glass fibre material, plasterboard, aerated concrete, clay bricks, Yton bricks and many more.

Technical data:

- Material: hard metal
- Weight: approx. 0.5 kg
- Cutting depth: approx. 58 mm
- Diameter: 95 mm

Hints:

- Unsuitable for percussion drilling
- Always clamp on the 3 clamping surfaces of the shank
- Use only with hand feed and only on hand drills

Suitable for:

- DDE: Hole saw with ejector system complete D=95mm (art.-no. 11529)

Accessories:

- DDE: Hole saw with ejection system: HSS drill bit (all sizes) (art.-no. 5032)
- Hole saw with ejection system: SDS adapter (art.-no. 6492)

HSS Drill bit for ejection system

Art. 5032



Klick me! (Image similar)

Use: For all pad saws with ejection systems

DDE: Pad saw with ejection system: SDS drill

Art. 6492



Klick me! (Image similar)

Use: For all pad saws with ejection systems and SDS brackets.

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09	Spare parts	Sealings, filters, wering parts, etc.
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DDE: Hole saw Pro D= 85 mm complete

Art. 7544



Multipurpose hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Quick and easy removing of the drill core due to new chip space design
- Short drilling times
- In case of tooth break (chipping), replaceable
- No clogging or burning of the hard metal teeth
- Resharpenable
- Optimized for wood, chipboards (raw, veneered or coated), plywood, laminated paper, PVC, acryl, GFK, aerated concrete, Yton stones, plasterboard, clay tiles and hollow blocks, tiles up to scratch hardness 6. Suitable for drilling wood substitute materials as well.

Technical details:

- Material: hard metal
- Weight: approx. 0,6 kg
- Cutting depth: approx. 62 mm
- Diameter: 85 mm

Note:

- Recommended machine performance: 600-800 Watt
- To be used in machines with safety coupling and additional handle only
- To be inserted in a rotary movement, when drill hammer has been switched off
- Ensure a tight workpiece clamping
- Wearing protective clothing is recommended
- Impacts and shocks on the hard metal teeth can cause chipping in small areas and therefore may lead to power loss
- To not be tilted in the drill hole
- Remove the drill core after each drilling. In case of wood substitute materials, remove the bore dust.

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories:

- Hole Saw Pro: drilling bit Ø 7,2mm (prod. no. 6184)

DDE: Hole saw Pro D= 85 mm complete T= 90 mm

Art. 7829



Multipurpose hole saw for drilling injection holes. Suitable for drillings fit for injection hoses, rotary nozzles of type X-Jet, J-Jet, S-Jet, exhaust pipes and more.

Advantages:

- Quick and easy removing of the drill core due to new chip space design
- Short drilling times
- In case of tooth break (chipping), replaceable
- No clogging or burning of the hard metal teeth
- Resharpenable
- Optimized for wood, chipboards (raw, veneered or coated), plywood, laminated paper, PVC, acryl, GFK, aerated concrete, Yton stones, plasterboard, clay tiles and hollow blocks, tiles up to scratch hardness 6. Suitable for drilling wood substitute materials as well.

Technical details:

- Material: hard metal
- Weight: approx. 1,0 kg
- Cutting depth: approx. 90 mm
- Diameter: 85 mm

Note:

- Recommended machine performance: 600-800 Watt
- To be used in machines with safety coupling and additional handle only
- To be inserted in a rotary movement, when drill hammer has been switched off
- Ensure a tight workpiece clamping
- Wearing protective clothing is recommended
- Impacts and shocks on the hard metal teeth can cause chipping in small areas and therefore may lead to power loss
- To not be tilted in the drill hole
- Remove the drill core after each drilling. In case of wood substitute materials, remove the bore dust.

For a more detailed description: see flyer or visit www.x-floc.com

Optional accessories:

- Hole Saw Pro: drilling bit Ø 7,2mm (prod. no. 6184)

Dichtlappensatz "Thermoblow300"

Art. 11203

English version in preparation: bestehend aus 6 Stück Dichtlappen aus hochfestem Gummi
Dicke s=ca. 5,5mm



Klick me! (Image similair)

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09 Spare parts**Sealings, filters, wering parts, etc.****Dichtlappensatz für Krendl 1000 (313x166) Gummi hochfest****Art. 5441**

English version in preparation: bestehend aus 6 Stück Dichtungslappen, aus Gummi (schwarz) mit 2 Einlagen



Klick me! (Image similar)

Dichtlappensatz für Krendl 1000 (313x166) Gummi hochfest**Art. 9268**

English version in preparation: bestehend aus 6 Stück Dichtungslappen, aus Gummi (schwarz) mit 2 Einlagen



Klick me! (Image similar)

Gasket set EM100 (L=475 mm) High-strength rubber**Art. 3782**

Suitable for EM100 with long airlock (length inside: L= 472 mm) up to S/N M99A0584.

Consisting of 6 x rubber piece for sealing flap set EM100 (Art. 4810) with improved sealing and longer service life.
Temp.: -10°C...50°C

+++ Installation instructions must be observed! Impart seals during installation, run-in time at least 2h! +++



Klick me! (Image similar)

Gasket set EM4XX, L=307 made from rubber**Art. 3762**

Compatible with the EM400, rubber seals (6 pieces) with improved sealing and longer service life.

Temperature: -10°C...50°C

6 pieces finished for installation in the airlock

+++ Pay attention to the installation information! Run-in period after exchange at least 2h! +++



Klick me! (Image similar)

Durable rubber gaskets, force/2 (206x140,5)**Art. 1871**

Consists of 6 durable rubber gaskets.



Klick me! (Image similar)

M95 durable rubber gasket set (L=230 mm).**Art. 8238**

Suitable for M95H zellofant (L=230). Six rubber gaskets with improved sealing and longer operating life.

Temperature: -10°C - 50°C

6 units ready to be fitted into the M95H airlock, +++ Installation information must be adhered to! Centre gaskets when fitting them. The machine should be warmed up for at least 2 hours before use! +++



Klick me! (Image similar)

Gasket set ISOblow Profi / 5 chambers, high-strength**Art. 2909**Gasket set compatible with the ISOblow Profi / 5 chamber
(machine product: ISOCELL)

Consisting of 5 piece sealing lips with holes out of high-strength, extremely low-wear insulation material with a very high service life.



Klick me! (Image similar)

Gasket set ISOblow Standard / Standard Plus, 6 chambers, high-strength**Art. 5915**

Gasket set ideal for ISOblow Standard / Standard Plus / 6 chambers

(Machine manufacturer: ISOCELL)

Consists of 6 piece sealing lips with holes made from high-strength, extremely low-wear sealing material with very high service life.



Klick me! (Image similar)

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09 Spare parts Sealings, filters, wering parts, etc.

Isoflocer / Force 1 / Minifloc gasket set (169x122), made from durable rubber

Art. 4795



Klick me! (Image similar)

Gasket set (6 pieces), made of high-strength rubber with fabric insert.

+++++

Important notes:

- Sealing tabs are not identical to the original silicone seals moulded in all three spatial directions.
- Gaskets must be aligned during installation (off-centre gaskets cause leaks).
- The seals may have to be chamfered for an exact fit on the side facing the rotor shaft.
- If the holes in the sealing flaps do not match the existing hole pattern, corresponding holes must be punched.
- If necessary, additional sealing towards the shaft with silicone, possibly chamfering, is required during installation.

+++++

Kematherm gasket set - 6 chambers (295x123), durable rubber

Art. 3167



Klick me! (Image similar)

Gasket set for kematherm / 6 chambers

Material.: Rubber, s=approx. 5.5mm (replica)

Krendl 1000 durable rubber gasket set (313x166).

Art. 2602



Klick me! (Image similar)

consists of 6 rubber gaskets (black), with two fabric layers.

Krendl 2000/2100/2300 durable rubber gasket set (413x165mm)

Art. 2920



Klick me! (Image similar)

consists of 6 rubber gaskets (black), with two fabric layers

Krendl 500 gasket set (258x167) made from durable rubber

Art. 1989



Klick me! (Image similar)

Rubber seals (6 pcs.) with improved sealing and longer service life

Temp.: -10°C...50°C

6 pieces ready for installation in the airlock.

+++ Installation instructions must be observed! Impart seals during installation, run-in time at least 2h! +++

Rubber gasket set M95/EM300 (L=200 mm), rubber high strength

Art. 1503



Klick me! (Image similar)

Set of sealing flaps suitable for rotary valves with a width of B=200mm.

Consisting of 6 sealing flaps with perforation for stud bolt/clamp plate fastening.

Material: High-strength rubber with fabric insert

- Good sealing properties
- High abrasion resistance, therefore long service life
- Temperature resistant (-15°C...80°C)

Please note (see also operating instructions of the blow-in machine):

- Impart gaskets during installation
- Run-in time at least 2h

Rubber gasket set M95/EM300 (L=230 mm), rubber high strength

Art. 1760



Klick me! (Image similar)

Set of sealing flaps suitable for rotary valves with a width of B=230mm.

Consisting of 6 sealing flaps with perforation for stud bolt/clamp plate fastening.

Material: High-strength rubber with fabric insert

- Good sealing properties
- High abrasion resistance, therefore long service life
- Temperature resistant (-15°C...80°C)

Please note (see also operating instructions of the blow-in machine):

- Impart gaskets during installation
- Run-in time at least 2h

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09	Spare parts	Sealings, filters, wering parts, etc.	
M99 Minifant durable rubber gasket set.			Art. 1504
	Rubber seals (6 pieces) with improved sealing and longer service life Temp.: -10°C...50°C 6 pieces ready for installation in the airlock. +++ Please observe the installation instructions! Centre seals during installation, run-in time at least 2h! +++		
Klick me! (Image similair)			
M99 Minifant durable rubber gasket set.			Art. 8976
	Use: Minifant M99-Standard -DS or -DS-Pro with 8-chamber rotary valve. 8 pcs. Rubber seals with excellent sealing of the airlock chambers and long service life Recommended temperature range: -10°C...50°C ----- Please be sure to observe the installation instructions. Place the seals centrally on the sash plate and fix them with the clamping plate. After installation, the seals should be allowed to run in for at least 2 hours (let the machine run empty).		
Klick me! (Image similair)			
Dichtlappensatz Maxifloc (6 Stück)			Art. 7739
	English version in preparation: Gummidichtungen (6 Stück) mit verbesserter Abdichtung und längerer Standzeit Temp.: -10°C...50°C 6 Stück fertig zum Einbau in die Schleuse. +++ Einbauhinweise unbedingt beachten! Dichtungen beim Einbau vermitteln, Einlaufzeit mindestens 2h! +++		
Klick me! (Image similair)			
SHS 1 - 6 chambers (168x113.5) durable rubber gasket set			Art. 2538
	SHS 1 / 6 chambers gasket set. Material.: Felt, s=approx. 5.5mm (replica) Optional / accessories: Sheet steel base plate, completely assembled, ready for fitting into the airlock.		
Klick me! (Image similair)			
SHS 1 - 8 chambers (168x113.05) durable rubber gasket set			Art. 1912
	SHS 1 / 8 chambers gasket set. Material.: Felt, s=approx. 5.5mm (replica) Optional / accessories: Sheet steel base plate, completely assembled, ready for fitting into the airlock.		
Klick me! (Image similair)			
SHS 2 - 8 chambers (207x113.5) durable rubber gasket set.			Art. 11274
	Washer set for SHS 2 / 8 chambers. Material.: Rubber, s=approx. 5.5mm (replica)		
Klick me! (Image similair)			
SHS 2 - 8 chambers (207x113.5) durable rubber gasket set.			Art. 4763
	Washer set for SHS 2 / 8 chambers. Material.: Rubber, s=approx. 5.5mm (replica)		
Klick me! (Image similair)			
SHS 2 - 8 chambers (207x113.5) rubber gasket set.			Art. 4762
	SHS 2 / 8 chambers washer set including completely assembled base plate. Material.: Rubber, s=approx. 5.5mm (replica) Material Base plate: Sheet steel, s= 3.0mm		
	Klick me! (Image similair)		

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09	Spare parts	Sealings, filters, wering parts, etc.	
	<u>SHS 2.5 - 8 chambers (302x113) durable rubber gasket set.</u>		Art. 2151
	Washer set for SHS 2 / 8 chambers. Material.: Rubber, s=approx. 5.5mm (replica)		
Klick me! (Image similar)			
	<u>Gasket set SHS 3 - 6 chambers (383x112mm) rubber, complete</u>		Art. 5152
			
Klick me! (Image similar)			
	<u>Gasket set SHS 3 - 6 chambers (386x111mm) high-strength rubber</u>		Art. 3405
	Sealing set for SHS3 / 6 chambers Mat.: rubber s= approx. 5.5mm For screwed version		
Klick me! (Image similar)			
	<u>Gasket set SHS 3 - 8 chambers (383x112mm) high-strength rubber</u>		Art. 3506
	Sealing set for SHS3 / 8 chambers Material: rubber s= approx. 5.5mm for screwed version		
Klick me! (Image similar)			
	<u>Gasket Set SHS 3-8 chambers 383x112mm complete rubber</u>		Art. 5791
	English version in preparation:		
Klick me! (Image similar)			
	<u>SHS Minifloc gasket set with chamfered edges.</u>		Art. 4459
	Airlock washer set consists of: 6 piece felt airlock washer set suitable for minifloc.		
Klick me! (Image similar)			
	<u>Dichtlappensatz ISOblow Standard / Standard Plus, hochfest</u>		Art. 6073
	English version in preparation: Dichtlappensatz passend für ISOblow Standard / Standard Plus / 6 Kammern (Maschinenfabrikat: ISOCELL) Bestehend aus 6 Stück Dichtlippen mit Lochungen aus hochfestem, extrem verschleißbarmen Dichtmaterial mit sehr hoher Standzeit.		
Klick me! (Image similar)			
	<u>Dichtlappensatz ISOblow Standard / Standard Plus, hochfest</u>		Art. 10509
	English version in preparation: Dichtlappensatz passend für ISOblow Standard / Standard Plus / 6 Kammern (Maschinenfabrikat: ISOCELL) Bestehend aus 6 Stück Dichtlippen mit Lochungen aus hochfestem, extrem verschleißbarmen Dichtmaterial mit sehr hoher Standzeit.		
Klick me! (Image similar)			

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09 Spare parts**Sealings, filters, wering parts, etc.****Direkterweiterung NW75>90 (3">3½")****Art. 6746**

Discharge connection for extension from NW75 (3") to NW90 (3½")
 Suitable for machines with NW75 threaded connection: M95, EM3XX, EM4XX, EM5XX and others if necessary).
 Side outlet: NW90 (3½") with thread (suitable for delivery line NW90) or Storz coupling

Options:

- Measuring devices: Pressure gauge, D=117mm (art. no. 7079)

Klick me! (Image similar)

Direct reducer piece NW63>38 (2½">1½")**Art. 6224**

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW63 (2½") (e.g. M99-NW63 before year 02/2018)
 Outlet diameter: NW38 (1½")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Klick me! (Image similar)

Direct reducer piece NW75>50 (3">2") (M99-NW75 after year 02/2018)**Art. 8969**

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW75 (3") (applicable after year 02/2018)
 Outlet diameter: NW50 (2")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Klick me! (Image similar)

Direct reducer piece NW75>63 (3">2½") (M99-NW75 after year 02/2018)**Art. 8968**

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW75 (3") (applicable after year 02/2018)
 Outlet diameter: NW63 (2½")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Klick me! (Image similar)

Direct reducer piece NW90>63 (3½">2½") (EM4XX-NW90 after year 06/2018)**Art. 11471**

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW90 (3½") (e.g. EM5XX-NW90, EM4XX-NW90, EM3XX-NW90)
 Outlet diameter: NW63 (2½")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Klick me! (Image similar)

Direct reducer piece NW90>63 (3½">2½") (EM4XX-NW90 after year 06/2018)**Art. 6706**

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW90 (3½") (e.g. EM5XX-NW90, EM4XX-NW90, EM3XX-NW90)
 Outlet diameter: NW63 (2½")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Klick me! (Image similar)

Direct reducer piece NW90>75 (3½">3") (EM3XX-NW90 after year XX/XXXX)**Art. 10236**

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW90 (3½") (e.g. EM3XX-NW90)
 Outlet diameter: NW75 (3")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Klick me! (Image similar)

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09 Spare parts Sealings, filters, wering parts, etc.

Direct reducer piece NW90>75 (3½">3") (EM4XX-NW90 after year 06/2018)

Art. 8936



Klick me! (Image similar)

Reducer piece for direct insertion into the outlet of Minfant M99 blowing machines with a outlet size NW90 (3½") (e.g. EM5XX-NW90, EM4XX-NW90, EM3XX-NW90)
Outlet diameter: NW75 (3")

Notes or for retrofitting:

- For fitting, if necessary, the internal weld of the outlet nozzle on the blow-in machine must be ground down.
- For attachment, a through-hole for the supplied fastening screw (M6) must be made at the outlet of the machine. The location of the hole must be selected so that the pipe end is flush with the inside surface (tread) of the airlock
- The direct reduction extends the existing outlet of the blowing machine by about 60mm

Einblasadapter Klinkerstein NW50

Art. 11766



Klick me! (Image similar)

English version in preparation:

Injection bezel foldable for panel thickness t=10..35mm

Art. 9179



Klick me! (Image similar)

Handy tubing port for fastening in the drill hole with clamping mechanism and locking latch. Self-sealing against the structure element through breathable sealing sponges and dustproof rubber membrane.

Technical details/Features:

- Can be used with paneling depth s= approx. 10 to 35mm
- Required drilling hole: D=106,5 to 120mm
- Rubber membrane to seal the injection bezel
- Default: Rubber membrane D=45 mm best suitable for hoses and injection needles NW50(2") to NW63(2½")
- Flexible sealing for avoiding dust emissions from the blowing port
- Ergonomic locking latch for easy opening and unlocking / useful for single handed operation
- Powder and electrogalvanized coating offer rust protection
- Including 1 x sealing sponge NW50/NW63, 250x250x20 (Art.No. 7160)
- Including 1 x sealing sponge NW50/NW63, 250x250x40 (Art.No. 7100)

Note / Option / Different versions possible (please specify when ordering)

- > Rubber membrane D=68 mm (Art.No. 9181) best suitable for hoses and injection needles NW63(2½") to NW75(3")
- > Rubber membrane D=30 mm (Art.No. 9180) best suitable for hoses and injection needles NW38(1½") to NW50(2")

Further Options:

- DDE: Hole saw with release system complete D=106,5mm (Art.No. 4966)
- DDE: Hole saw professional D=106,5mm (Art.No. 6182)
- DDE: Hole saw with release system complete D=120mm (Art.No. 5282)
- Sealing sponge with larger clearance hole (on request)
- Modifiable with "Fixierwinkel, L165, B60>20" (L-shaped hook, Art.No. 7005) to Injection bezel foldable for panel thickness T=3565mm (Art.No. 9183)

Injection bezel foldable for panel thickness t=35..65 mm

Art. 9183



Klick me! (Image similar)

Handy tubing port for fastening in the drill hole with clamping mechanism and locking latch. Self-sealing against the structure element through breathable sealing sponges and dustproof rubber membrane.

Technical details/Features:

- Can be used with paneling depth s= approx. 35 to 65mm
- Required drilling hole: D=106,5 to 120mm
- Rubber membrane to seal the injection bezel
- Default: Rubber membrane D=45mm best suitable for hoses and injection needles NW50(2") to NW63(2½")
- Flexible sealing for avoiding dust emissions from the blowing port
- Ergonomic locking latch for easy opening and unlocking / useful for single handed operation
- Powder and electrogalvanized coating offer rust protection
- Including 1 x sealing sponge NW50/NW63, 250x250x20 (Art.No. 7160)
- Including 2 x sealing sponge NW50/NW63, 250x250x40 (Art.No. 7100)

Note / Option / Different versions possible (please specify when ordering)

- > Rubber membrane D=68mm (Art.No. 9181) best suitable for hoses and injection needles NW63(2½") to NW75(3")
- > Rubber membrane D=30mm (Art.No. 9180) best suitable for hoses and injection needles NW38(1½") to NW50(2")

Further Options:

- DDE: Hole saw with release system complete D=106,5 mm (Art.No. 4966)
- DDE: Hole saw professional D=106,5 mm (Art.No. 6182)
- DDE: Hole saw with release system complete D=120 mm (Art.No. 5282)
- Sealing sponge with larger clearance hole (on request)
- Modifiable with "Fixierwinkel, L122, B60>20" (L-shaped hook, Art.No. 6741) to Injection bezel foldable for panel thickness T=35..65mm (Art.No. 9179)

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09 Spare parts**Sealings, filters, wering parts, etc.****Universal injection bezel for panelling t=12..25mm****Art. 9209**

Klick me! (Image similar)

The universal injection bezel is a handy tubing port for fastening in the drill hole by clamps. Due to the clamping mechanism, the injection bezel can be easily fixed in a drill hole or long hole. When used eliminates the need to manually seal the injection port against unwanted material or dust outlet. The hands remain free to guide the hose or the injection tool and the operation of the machine control. The extremely tear-resistant rubber membrane reliably seals against both smooth surfaces (e.g., insulating needles) or hoses (e.g., injection or delivery hose). The air-permeable sealing sponge compensates for different planking thicknesses and allows the excess air coming into the compartment to be easily vented.

Depending on the version can be used for:

- All injection nozzles of diameter D=30 to 75mm
- All rotary nozzles of diameter D=45 to 75mm
- Insulating needles NW38(1½"), NW50(2"), NW63(2½") and NW75(3")
- Injection hoses and delivery hoses NW38(1½"), NW50(2"), NW63(2½"), NW75(3") and NW90(3½")

Technical data:

- Can be used with panelling depth s= approx. 12 to 25mm
- Required drilling hole: D=95 to 120mm
- Rubber membrane to seal the injection bezel
- Default: rubber membrane D=45mm best suitable for hoses and injection needles NW50(2") to NW63(2½")

Note / Option / Different versions possible (please specify when ordering):

- > Rubber membrane D=68mm (Art.No. 8904) best suitable for hoses and injection needles NW63(2½") to NW75(3")
- > Rubber membrane D=30mm (Art.No. 8842) best suitable for hoses and injection needles NW38(1½") to NW50(2")

Universal injection bezel for panelling t=30..80mm**Art. 9657**

Klick me! (Image similar)

The universal injection bezel is a handy tubing port for fastening in the drill hole by clamps. Due to the clamping mechanism, the injection bezel can be easily fixed in a drill hole or long hole. When used eliminates the need to manually seal the injection port against unwanted material or dust outlet. The hands remain free to guide the hose or the injection tool and the operation of the machine control. The extremely tear-resistant rubber membrane reliably seals against both smooth surfaces (e.g., insulating needles) or hoses (e.g., injection or delivery hose). The air-permeable sealing sponge compensates for different planking thicknesses and allows the excess air coming into the compartment to be easily vented.

Depending on the version can be used for:

- All injection nozzles of diameter D=30 to 75mm
- All rotary nozzles of diameter D=45 to 75mm
- Insulating needles NW38(1½"), NW50(2"), NW63(2½") and NW75(3")
- Injection hoses and delivery hoses NW38(1½"), NW50(2"), NW63(2½"), NW75(3") and NW90(3½")

Technical data:

- Can be used with panelling depth s= approx. 30 to 80mm
- Required drilling hole: D=95 to 120mm
- Rubber membrane to seal the injection bezel
- Default: rubber membrane D=45mm best suitable for hoses and injection needles NW50(2") to NW63(2½")

Note / Option / Different versions possible (please specify when ordering):

- > Rubber membrane D=68mm (Art.No. 8904) best suitable for hoses and injection needles NW63(2½") to NW75(3")
- > Rubber membrane D=30 mm (Art.No. 8842) best suitable for hoses and injection needles NW38(1½") to NW50(2")

Injection nozzle NW38>14 AV (with shut-off valve)**Art. 8835**

Klick me! (Image similar)

Injection nozzle with shut-off valve for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.

Technical details:

- Dimensions pipe: 14 x 220 (D x L)
- Material: steel, stainless steel
- Weight: approx. 0,45 kg
- Hose connection: NW38 (1,5")
- Required diameter: >14 mm
- Valve: ball valve

Optional accessories:

- Hammer drill SDS+ 15mm (Art.-Nr. 11218)

Injection nozzle NW38>18 AV (with shut-off valve / 45° outlet (increased wear-resistance))**Art. 6377**

Klick me! (Image similar)

Injection nozzle with shut-off valve for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.

Technical details:

- Diameter pipe: approx. 18mm
- Insertion depth: approx. 220mm
- Total length: approx. 430mm
- Material: steel, stainless steel
- Weight: approx. 0,5 kg
- Hose connection: NW38 (1,5")
- Angle insert: 45°
- Required drill hole: diameter >18 mm
- Valve: ball valve

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- Optional accessories:
- Hammer drill SDS+ 19mm (Art.no. 11220)
 - Spacer Mat. PE D18 (Art.no. 5945)

Injection nozzle NW38>18 AV (with shut-off valve)
Art. 5710



- Injection nozzle with shut-off valve for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.
- Technical details:
- Diameter pipe: approx. 18mm
 - Insertion depth: approx. 220mm
 - Total length: approx. 430mm
 - Material: steel, stainless steel
 - Weight: approx. 0,5 kg
 - Hose connection: NW38 (1,5")
 - Required drill hole: diameter >18 mm
 - Valve: ball valve

- Optional accessories:
- Hammer drill SDS+ 19mm (Art.no. 11220)
 - Spacer Mat. PE D18 (Art.no. 5945)

Einblasdüse NW50>14 AV-WE (mit Absperrventil, Wechseleinsatz Rohr NW14, Auslass gerade)
Art. 11460



- English version in preparation: Starre Einblasdüse mit Absperrventil zum Einblasen und Nachverdichten von losen Dämmstoffen.
- Vorteile:
- Austauschbares Düsenrohr, Befestigung mittels Flügelschraube
 - Bei großen Einstechtiefen ist der Einsatz von sehr langen Rohren möglich
- Technische Daten:
- Durchmesser: ca. 14mm
 - Einstechlänge: ca. 130mm (Standard)
 - +++ andere Längen auf Wunsch möglich, bitte bei Bestellung angeben +++
 - Gesamtlänge: ca. 400mm
 - Material: Stahl, Edelstahl
 - Gewicht: ca. 0,6 kg
 - Schlauchanschluss: NW50 (2")
 - Erforderliches Bohrloch: Durchmesser > 14mm
 - Ventil: Kugelhahnventil

- Optionales Zubehör:
- Distanzhalter Mat. PE D14 (Verfügbarkeit und Art.-Nr. auf Anfrage)
 - Hammerbohrer SDS+ Schaft 15mm (Art.-Nr. 11218)

+++++

Vom Standard (130mm) abweichende Einstechtiefe: _____ mm

+++++

Injection nozzle NW50>14 WE (interchangeable insert pipe NW14, straight outlet)
Art. 11388



- Rigid injection nozzle for injection and post-compaction of loose insulation materials.
- Advantages:
- Interchangeable nozzle pipe, fastening by wing screw.
 - Very long pipes can be used for large insertion depths
- Technical data:
- Diameter: approx. 14mm
 - Insertion depth: approx. 130mm (standard)
 - +++ other insertion depths are possible on request, please specify when ordering +++
 - Total length: approx. 320mm
 - Material: steel, stainless steel
 - Weight: approx. 0.4 kg
 - Hose connection: NW50 (2")
 - Required drill hole: diameter >14mm

- Optional accessories:
- Spacer Mat. PE D14 (availability and art. No. On request)
 - Hammer drill SDS+ shank 15mm (Art.no. 11218)

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09 Spare parts Sealings, filters, wering parts, etc.

Insertion depth deviating from standard (130mm): _____ mm

+++++

Injection nozzle NW50>16 AV-WE (with shut-off valve, interchangeable insert pipe NW16, straight outlet)**Art. 11840**

Rigid injection nozzle with shut-off valve for injecting and repressing loose insulation materials.

Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted

Technical details:

- Diameter pipe: approx. 16mm
- Insertion depth: approx. 130mm (other pipe lengths on request)
- Material: steel, stainless steel
- Weight: approx. 0.8 kg
- Hose connection: NW50 (2")
- Required drill hole: diameter >16mm
- Shut-off valve: ball valve

Optional accessories:

- Hammer drill SDS+ 19mm (Art.no. 11220)

+++++

Insertion depth deviating from standard (130mm): _____ mm

+++++

Injection nozzle NW50>16 WE (with interchangeable pipe NW16, straight outlet)**Art. 11870**

Rigid injection nozzle for injection and post-compaction of loose insulation materials.

Advantages:

- Exchangeable nozzle pipe, fastening by wing screw.
- Very long pipes can be used for large insertion depths

Technical data:

- Diameter pipe: approx. 16 mm
- Insertion depth: approx. 130mm (standard)
- +++ other pipe lengths are possible on request, please specify when ordering +++
- Material: steel, stainless steel
- Weight: approx. 0.4 kg
- Hose connection: NW50 (2")
- Required drill hole: diameter >16 mm

Optional accessories:

- Hammer drill SDS+ shank 19mm (Art.-No. 11220)

+++++

Insertion depth deviating from standard (130mm): _____ mm

+++++

Injection nozzle NW50>18 AV-WE (with shut-off valve, interchangeable insert pipe NW18, 45°outlet)**Art. 11804**

Rigid injection nozzle with shut-off valve for injecting and repressing loose insulation materials.

Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted

Technical details:

- Diameter pipe: approx. 18mm
- Insertion depth: approx. 250mm (?) (other lengths on request, please specify when ordering)
- Material: steel, stainless steel
- Weight: approx. 0.9 kg (?)
- Total length: approx. 510mm (?)
- Hose connection: NW50 (2")
- Required drill hole: diameter >18mm
- Valve: ball valve

Optional accessories:

- Spacer Mat. PE D18 (Art.no. 5945)
- Hammer drill SDS+ 19mm (Art.no. 11220)

Injection nozzle NW50>18 AV-WE (with shut-off valve, interchangeable insert pipe NW18, straight outlet)**Art. 11109**

Rigid injection nozzle with shut-off valve for injecting and repressing loose insulation materials.

Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted

Technical details:

- Diameter pipe: approx. 18mm



Klick me! (Image similar)



Klick me! (Image similar)



Klick me! (Image similar)



Klick me! (Image similar)

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- Insertion depth: approx. 130mm (other pipe lengths on request)
- Material: steel, stainless steel
- Weight: approx. 0,8 kg
- Hose connection: NW50 (2")
- Required drill hole: diameter >18mm
- Shut-off valve: ball valve

Optional accessories:

- Hammer drill SDS+ 19mm (Art.no. 11220)
- Spacer Mat. PE D18 (Art.no. 5945)

+++++
 Insertion depth deviating from standard (130mm): _____ mm
 +++++

Einblasdüse NW50>18 WE (mit Wechseleinsatz Rohr NW18, 45° Auslass (erhöhte Verschleißfestigkeit))**Art. 11803**

Klick me! (Image similar)

English version in preparation: Starre Einblasdüse zum Einblasen und Nachverdichten von losen Dämmstoffen.

Vorteile:

- Austauschbares Düsenrohr mittels Flügelschraube
- Bei großen Einstechtiefen Einsatz von sehr langen Rohren möglich
- Seitliche Umlenkung des Materialstrom (45° Auslass) ermöglicht größere Wurfweite und Materialverteilung

Technische Daten:

- Rohrdurchmesser: ca. 18mm
- Einstechtiefe: ca. 250mm (?) (andere Längen auf Wunsch, bei Bestellung angeben)
- Material: Stahl, Edelstahl
- Gewicht: ca. 0,6 kg (?)
- Gesamtlänge: ca. 430mm (?)
- Schlauchanschluss: NW50 (2")
- Erforderliches Bohrloch: Durchmesser >18mm

Optionales Zubehör:

- Distanzhalter Mat. PE D18 (Art.-Nr. 5945)
- Hammerbohrer SDS+ Schaft 19mm (Art.-Nr. 11220)

Injection nozzle NW50>18 WE (with interchangeable pipe NW18, straight outlet)**Art. 11387**

Klick me! (Image similar)

Rigid injection nozzle for injection and post-compaction of loose insulation materials.

Advantages:

- Exchangeable nozzle pipe, fastening by wing screw.
- Very long pipes can be used for large insertion depths

Technical data:

- Diameter pipe: approx. 18mm
- Insertion depth: approx. 130mm (standard)
- +++ other pipe lengths are possible on request, please specify when ordering +++
- Total length: approx. 320mm
- Material: steel, stainless steel
- Weight: approx. 0.4 kg
- Hose connection: NW50 (2")
- Required drill hole: diameter >18mm

Optional accessories:

- Spacer Mat. PE D18 (Art.-Nr. 5945)
- Hammer drill SDS+ shank 19mm (Art.-No. 11220)

+++++
 Insertion depth deviating from standard (130mm): _____ mm
 +++++

Injection nozzle NW50>21 AV-WE (with shut-off valve, interchangeable insert pipe NW21, 45° outlet)**Art. 6201**

Klick me! (Image similar)

Rigid injection nozzle with shut-off valve for injecting and repressing loose insulation materials.

Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted

Technical details:

- Diameter pipe: approx. 21mm
- Insertion depth: approx. 250mm (other lengths on request, please specify when ordering)
- Material: steel, stainless steel
- Weight: approx. 0.9 kg
- Total length: approx. 3510mm
- Hose connection: NW50 (2")
- Required drill hole: diameter >21mm
- Valve: ball valve

Optional accessories:

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- Spacer Mat. PE D21 (Art.no. 6504)
- Hammer drill SDS+ 22mm (Art.no. 11221)

Injection nozzle NW50>21 AV-WE (with shut-off valve, interchangeable insert pipe NW21, straight outlet)**Art. 5998**

Klick me! (Image similar)

Rigid injection nozzle with shut-off valve for injecting and repressing loose insulation materials.

Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted

Technical details:

- Diameter pipe: approx. 21mm
- Insertion depth: approx. 130mm (other lengths on request)
- Material: steel, stainless steel
- Weight: approx. 0,8 kg
- Total length: approx. 385mm
- Hose connection: NW50 (2")
- Required bore hole: diameter >21mm
- Shut-off valve: ball valve

Optional accessories:

- Hammer drill SDS+ 22mm (Art.no. 11221)
- Spacer Mat. PE D21 (Art.no. 6504)

+++++
 Insertion depth deviating from standard (130mm): _____ mm
 +++++

Injection nozzle NW50>21 WE (with interchangeable insert pipe NW21, 45° outlet (increased wear-resistance))**Art. 6017**

Klick me! (Image similar)

Rigid injection nozzle for injecting and repressing loose insulation materials.

Advantages:

- Interchangeable nozzle pipe via wing screw
- In case of large insertion depths, extra long pipes can be inserted
- A lateral deflection of the material flow (45° outlet) enables a larger spreading and distribution of the material

Technical details:

- Diameter pipe: approx. 21mm
- Insertion depth: approx. 250 mm (other lengths on request, please specify when ordering)
- Material: steel, stainless steel
- Weight: approx. 0,6 kg
- Total length: approx. 430mm
- Hose connection: NW50 (2")
- Required drill hole: diameter >21mm

Optional accessories:

- Hammer drill SDS+ 22mm (Art.no. 11221)
- Spacer Mat. PE D21 (Art.no. 6504)

Injection nozzle NW50>24 AV (with shut-off valve), 45° outlet (increased wear-resistance)**Art. 6415**

Klick me! (Image similar)

Rigid injection nozzle with shut-off valve for injection and post-compaction of loose insulation materials.

Advantages:

- Shut-off valve for fast, efficient insulation processing
- Exchangeable nozzle pipe, fastening by means of wing screw
- For large insertion depths, the use of very long pipes is possible
- Pipe outlet with 45° insert, wear-resistant, for lateral deflection of the material flow

Technical details:

- Diameter pipe: approx. 24mm
- Insertion depth: approx. 130mm (standard)
- +++ other lengths possible on request, please specify when ordering +++
- Material: steel
- Weight: approx. 0,8kg
- Total length: approx. 510mm
- Hose connection: NW50 (2")
- Required drill hole: diameter >24mm
- Valve: ball valve

Optional accessories:

- Spacer Mat. PE D24 (Art.-Nr. 2333)
- Hammer drill SDS+ 25mm (Art.-Nr. 11222)

+++++
 Insertion depth deviating from the standard (130mm): _____ mm
 +++++

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09 Spare parts Sealings, filters, wering parts, etc.

Injection nozzle NW50>24 AV-WE (with shut-off valve, interchangeable insert pipe NW24, straight outlet)

Art. 11435



Klick me! (Image similar)

Rigid injection nozzle with shut-off valve for injecting and repressing loose insulation materials.

Advantages:

- Shut-off valve for fast, efficient insulation processing.
- Exchangeable nozzle pipe, fastening by means of wing screw
- For large insertion depths, the use of very long pipes is possible

Technical data:

- Diameter pipe: approx. 24mm
- Insertion depth: approx. 130 mm (standard)
- +++ other lengths possible on request, please specify when ordering +++
- Material: steel
- Weight: approx. 0,8 kg
- Total length: approx. 385mm
- Hose connection: NW50 (2")
- Required drill hole: diameter >24mm
- Valve: ball valve

Optional accessories:

- Spacer Mat. PE D24 (art. No. 2333)
- Hammer drill SDS+ shank 25mm (art.-no. 11222)

+++++

Insertion depth deviating from standard (130mm): _____ mm

+++++

Einblasdüse NW50>14 AV-WE (mit Absperrventil, Wechseleinsatz Rohr NW14, Auslass gerade)

Art. 11805



Klick me! (Image similar)

English version in preparation: Starre Einblasdüse mit Absperrventil zum Einblasen und Nachverdichten von losen Dämmstoffen.

Vorteile:

- Austauschbares Düsenrohr, Befestigung mittels Flügelschraube
- Bei großen Einstechtiefen ist der Einsatz von sehr langen Rohren möglich

Technische Daten:

- Durchmesser: ca. 14mm
- Einstechlänge: ca. 130mm (Standard)
- +++ andere Längen auf Wunsch möglich, bitte bei Bestellung angeben +++
- Gesamtlänge: ca. 400mm
- Material: Stahl, Edelstahl
- Gewicht: ca. 0,6 kg
- Schlauchanschluss: NW50 (2")
- Erforderliches Bohrloch: Durchmesser > 14mm
- Ventil: Kugelhahnventil

Optionales Zubehör:

- Distanzhalter Mat. PE D14 (Verfügbarkeit und Art.-Nr. auf Anfrage)
- Hammerbohrer SDS+ Schaft 15mm (Art.-Nr. 11218)

+++++

Vom Standard (130mm) abweichende Einstechtiefe: _____ mm

+++++

Einblasdüse NW50>14 AV-WE (mit Absperrventil, Wechseleinsatz Rohr NW14, Auslass gerade)

Art. 11806



Klick me! (Image similar)

English version in preparation: Starre Einblasdüse mit Absperrventil zum Einblasen und Nachverdichten von losen Dämmstoffen.

Vorteile:

- Austauschbares Düsenrohr, Befestigung mittels Flügelschraube
- Bei großen Einstechtiefen ist der Einsatz von sehr langen Rohren möglich

Technische Daten:

- Durchmesser: ca. 14mm
- Einstechlänge: ca. 130mm (Standard)
- +++ andere Längen auf Wunsch möglich, bitte bei Bestellung angeben +++
- Gesamtlänge: ca. 400mm
- Material: Stahl, Edelstahl
- Gewicht: ca. 0,6 kg
- Schlauchanschluss: NW50 (2")
- Erforderliches Bohrloch: Durchmesser > 14mm
- Ventil: Kugelhahnventil

Optionales Zubehör:

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- Distanzhalter Mat. PE D14 (Verfügbarkeit und Art.-Nr. auf Anfrage)
- Hammerbohrer SDS+ Schaft 15mm (Art.-Nr. 11218)

+++++

Vom Standard (130mm) abweichende Einstechtiefe: _____ mm

+++++

Einblasdüse NW50>29 AV-WE (mit Absperrventil, Wechseleinsatz Rohr NW29, Auslass gerade)**Art. 11456**

English version in preparation: Starre Einblasdüse mit Absperrventil zum Einblasen und Nachverdichten von losen Dämmstoffen.



Klick me! (Image similar)

Vorteile:

- Absperrventil für die schnelle, effiziente Dämmstoffverarbeitung
- Austauschbares Düsenrohr, Befestigung mittels Flügelschraube
- Bei großen Einstechtiefen ist der Einsatz von sehr langen Rohren möglich

Technische Daten:

- Durchmesser außen: 29,1 mm
- Einstechlänge: ca. 130 mm (Standard)
- +++ andere Längen auf Wunsch möglich, bitte bei Bestellung angeben +++
- Material: Stahl
- Gewicht: ca. 0,81 kg
- Schlauchanschluss: NW50 (2")
- Erforderliches Bohrloch: >29,1 mm
- Ventil: Kugelhahnventil

Optionales Zubehör:

- DD: PE-Distanzhalter 29 (Art.-Nr. 2334)

+++++

Vom Standard (130mm) abweichende Arbeitslänge (Einstechlänge): _____ mm

+++++

Injection nozzle NW50>29 WE (with exchangeable pipe NW29, straight outlet)**Art. 11457**

Rigid injection nozzle for injection and post-compaction of loose insulation materials.



Klick me! (Image similar)

Advantages:

- Exchangeable nozzle pipe, fastening by wing screw.
- Very long pipes can be used for large insertion depths

Technical data:

- Outer diameter: approx. 29.1 mm
- Insert (working) length: approx. 130 mm (standard)
- +++ other lengths are possible on request, please specify when ordering +++
- Total length: approx. 300 mm
- Material: steel, stainless steel
- Weight: approx. 0.46 kg
- Hose connection: NW50 (2")
- Required drill hole: >29.5 mm

Optional accessories:

- DD: PE spacer 29 (art. No. 2334)
- Hammer drill SDS+ shank 30mm (Art.-No. 11xxx)

+++++

Working length (insert length) deviating from standard (130mm): _____ mm

+++++

Injection nozzle NW50>29 WE (with exchangeable pipe NW29, straight outlet)**Art. 11389**

Rigid injection nozzle for injection and post-compaction of loose insulation materials.



Klick me! (Image similar)

Advantages:

- Exchangeable nozzle pipe, fastening by wing screw.
- Very long pipes can be used for large insertion depths

Technical data:

- Diameter pipe: approx. 29mm

- Insertion depth: approx. 130 mm (standard)
- +++ other lengths are possible on request, please specify when ordering +++
- Total length: approx. 285mm
- Material: steel
- Weight: approx. 0.4 kg
- Hose connection: NW50 (2")
- Required drill hole: diameter >29mm

- Optional accessories:
- Spacer Mat. PE D29 (art. No. 2334)
 - Hammer drill SDS+ shank 25mm (Art.-No. 11xxx)

+++++

Working length (insert length) deviating from standard (130mm): _____ mm

+++++

- Optional accessories:
- DD: PE spacer 29 (art. No. 2334)
 - Hammer drill SDS+ shank 30mm (Art.-No. 11xxx)

+++++

Working length (insert length) deviating from standard (130mm): _____ mm

+++++

Injection nozzle NW50>50, 45° outlet (increased wear-resistance)

Art. 6889



- Injection nozzle for injecting and repressing fiber- and core insulation materials, cellulose insulation material, EPS granules, expanded mineral stone, cellular glass and similar.
- Technical details:
- Diameter pipe: approx. 50mm
 - Pipe length: approx. 250mm
 - Pipe outlet with 45° insert, wear-resistant, enables lateral deflection of the material flow
 - Material: steel, stainless steel
 - Weight: approx. 0.8 kg
 - Hose connection: NW50 (2")
 - Required drill hole: diameter >50 mm

Einblasdüse, gewinkelt NW63>63, 90° abgesägt

Art. 5670



- English version in preparation: Einblasdüse zum Einblasen und Nachverdichten von Wärmedämmstoffen.
- Technische Daten:
- Rohrdurchmesser: ca. 63 mm
 - Rohrlänge: ca. 300mm
 - Rohrauslass: gewinkelt, 90° abgesägt
 - Gewicht: ca. 0,6 kg
 - Schlauchanschluss: NW63 (2,5")
 - Erforderliches Bohrloch: Durchmesser >63 mm

Blow-in lance NW90/63, telescopic-

Art. 10254



- Vented telescopic injection lance for filling horizontal or slightly inclined wall and roof elements during element filling
- Advantages:
- The extendable telescopic lance enables filling of very long elements
 - Large selection of lengths
 - Easy to operate
 - Enables even distribution and compaction of the insulation material
 - Active/passive venting

- Technical data:
- Useful lengths: 2000...11300 mm
- Please indicate the desired length when ordering
- Outer pipe made of PE black, D=90
 - Inner pipe made of aluminium, 63x1.5 (alternatively made of stainless steel on request)
 - Venting connection for active (extraction station) or passive (dust bag) ventilation

- Scope of delivery:
- Injection lance
 - dust bag
 - Operating instructions

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09**Spare parts****Sealings, filters, wering parts, etc.**

Optional accessories:

- VS: Amplifier/extraction station VS28 complete set 115 l (art. no. 2886)
- VS: Amplifier/extraction station VS28 complete set 250 l (art. no. 5017)
- VS: Booster/extraction station VS33 complete set 115 l (art. no. 5939)
- VS: Amplifier/extraction station VS33 complete set 250 l (Art.-No. 5940)
- DDE: Hole saw with ejection system complete D=106,5mm (Art.-No. 4966)
- Reducing connector NW75>63 (aluminium) (Art.-No. 1261)

Alternative articles:

- Injections lance NW75/50, telescopic (art. no. 4626)

+++++ Specification required for an order +++++

The specification of the desired useful length is required for an order.

The useful length usually corresponds to the length of the longest compartment to be filled.

The retracted length is approx. 40cm more than the useful length divided by 2.

Example: Compartment length: 7.400mm --> Useful length = 7.400mm

The retracted length is then: $7,400 : 2 + 400\text{mm} = \text{approx. } 4,100\text{mm}$

+++++ For purchase order required useful length L= _____mm +++++

+++++

Blowing mobile - Sample Article**Art. 8948**

Klick me! (Image similar)

Professional trailer, fully equipped and ready for use
(without blowing machine).

We deliver customized and practical vehicle structures tailored to customer needs and thought through in every detail.

Advantages:

- Tailored vehicle development
- Crafted, durable products
- Individual planning
- Available with your advertisement
- Short and long distance suitable
- Complete equipment ready for insulation blowing purposes
- Short make-ready times
- Weather protection (expandable by side flaps and the like)
- Increased theft security
- Bright interior lighting
- Blowing tools clear and easily accessible stored
- Electrical wiring to produce the power supply
- Ergonomic arrangement of the workplace
- Additional space for additional material
- Various configuration options

Blowing mobile consisting of:

I. trailer vehicle, tuned to the equipment with blowing machine and accessories.

II. Hose storage

Professional solution for the practical winding and storage of hoses up to 110m in length (depending on hose diameter).

III. suction

Professional solution for fast switching between blowing and suction operation of a blowing machine or amplifier / extraction station.

IV. Ordering and storage system

Arrangement system for Einblasmobil

V. Interior lighting

Professional Interior Lighting of a one-way mobile

VI. Electrical installation

Professional electrical pre-installation 230V or 400V for one-shot mobile, including surveillance LED's and additional connection, light switch, Schuko socket (max 50W). Fully wired and assembled.

VII. Other accessories

Individually applicable blowing-in accessories, securely lashed or in drawers.

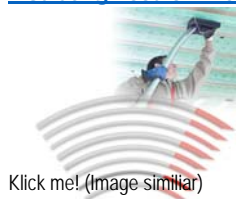
+++++ Offer on request +++++

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Insulating needle NW38-130**Art. 5304**

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection: 38.1mm (1½"), for NW38 hose

Material: Aluminium

Length: approx. 130.0cm

Insulation thickness: from approx. 120.0cm (hard boarded cavities when injection hole diameter is 120.0mm)

Also available in a different version with length: approx. 90.0cm (as long as in stock).

Optional accessories:

- Insulating needle: connection set NW63>38 (2½">1½") (prod. No. 610)

More products:

Curved needles

NW50-100 (prod. No. 6180) | NW50-140 (prod. No. 5303) | NW50-180 (prod. No. 5153) | NW63-140 (prod. No. 5836) |

NW63-180 (prod. No. 6390) | NW75-140 (prod. No. 6710) | NW75-180 (prod. No. 6711)

Straight needles (L= up to 6.0m):

NW38-straight (prod. No. 6028) | NW50-straight (prod. No. 5730) | NW63-straight (prod. No. 5839) | NW75-straight (prod. No. 5840)

Insulating needle, straight NW38**Art. 6028**

Straight insulating needle with slantwise outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging attracts the material current.

Hose connection and diameter: NW38

Material: stainless steel

Max. total length: up to 6m

Required blow-in opening: >Ø=38mm

(Price applies to all blowing needles with a length up to a maximum 3m; more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in meters.).

Optional Accessories:

- Insulating needle: connection set NW63>38 (prod. No. 6104)

Similar articles:

Insulating needles, bent

- NW38-90 (prod. No. 5304) | NW50-80 (prod. No. 6180)

- NW50-144 (prod. No. 5303) | NW50-184 (prod. No. 5153)

- NW63-124 (prod. No. 5836) | NW63-184 (prod. No. 6390)

- NW75-120 (prod. No. 6710) | NW75-180 (prod. No. 6711)

Insulating needles, straight (L=up to 6 m)

NW50-straight (prod. No. 5730) | NW63-gerade (prod. No. 5839)

NW75-straight (prod. No. 5840)

Notes:

- Max. usable length that can be ordered L= approx. 5.85m

- Total length = insertion depth +15cm

- From approx. 1.5m total length upwards, the goods are bulky goods and, depending on the length, must be sent in separate parcels or as general cargo with a forwarding agent.

+++Deviating version +++

Useful length: L = _____ (Please specify when ordering)

+++++

Insulating needle NW50-100**Art. 6180**

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection: 50.8mm (2"), for NW50 hose

Material: Aluminium

Length: approx. 100.0cm

Insulation thickness: from approx. 100.0cm (hard boarded cavities when injection hole diameter is 120.0mm)

Optional accessories:

- Insulating needle: Connection-set NW75>50 (3">2") (prod. no. 6103)

- Insulating needle: connection set NW63>50 (2½">2") (prod. no. 6206)

- Hose connector turnable SDV50 (2") (prod. no. 6522)

More products:

Curved needles

NW38-130 (prod. no. 5304) | NW50-140 (prod. no. 5303) | NW50-180 (prod. no. 5153) | NW63-140 (prod. no. 5836) |

NW63-180 (prod. no. 6390) | NW75-140 (prod. no. 6710) | NW75-180 (prod. no. 6711)

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Straight needles (L= up to 6.0m):

NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730) | NW63-straight (prod. no. 5839) | NW75-straight (prod. no. 5840)

Insulating needle NW50-140**Art. 5303**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc., as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection: 50.8mm (2"), for NW50 hose

Material: Aluminium

Length: approx. 140.0cm

Insulation thickness: from approx. 170.0cm (hard boarded cavities when injection hole diameter is 120.0mm)

Optional accessories:

- Insulating needle: Connection set NW75>50 (3">2") (prod. no. 6103)
- Insulating needle: Connection set NW63>50 (2½">2") (prod. no. 6206)
- Hose connector turnable SDV50 (2") (prod. no. 6522)

More products:

Curved needles

NW38-130 (prod. no. 5304) | NW50-100 (prod. no. 6180) | NW50-180 (prod. no. 5153) | NW63-140 (prod. no. 5836) | NW63-180 (prod. no. 6390) | NW75-140 (prod. no. 6710) | NW75-180 (prod. no. 6711)

Straight needles (L= up to 6.0m):

NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730) | NW63-straight (prod. no. 5839) | NW75-straight (prod. no. 5840)

Insulating needle NW50-180**Art. 5153**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc., as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection: 50.8mm (2"), for NW50 hose

Material: Aluminium

Length: approx. 180.0cm

Insulation thickness: from approx. 200.0cm (hard boarded cavities when injection hole diameter is 120.0mm)

Optional accessories:

- Insulating needle: Connection-set NW75>50 (3">2") (prod. no. 6103)
- Insulating needle: connection set NW63>50 (2½">2") (prod. no. 6206)
- Hose connector turnable SDV50 (2") (prod. no. 6522)

More products:

Curved needles

NW38-130 (prod. no. 5304) | NW50-100 (prod. no. 6180) | NW50-140 (prod. no. 5303) | NW63-140 (prod. no. 5836) | NW63-180 (prod. no. 6390) | NW75-140 (prod. no. 6710) | NW75-180 (prod. no. 6711)

Straight needles (L= up to 6.0m):

NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730) | NW63-straight (prod. no. 5839) | NW75-straight (prod. no. 5840)

Insulating needle, straight NW50**Art. 5730**

Klick me! (Image similar)

Straight insulating needle with slantwise outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging attracts the material current.

Hose connection and diameter: NW50

Material: Aluminium

Weight: approx. 0,6kg/m

Max. total length: up to 6m.

Required blow-in opening: >Ø=50mm

(Price applies to all blowing needles with a length up to a maximum 3m; more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in metres.)

Optional accessories:

- Insulating needle: connection set NW75>50 (prod. No. 6103)
- Insulating needle: connection set NW63>50 (prod. No. 6206)

More products:

Curved insulating needles

- NW38-90 (prod. No. 5304) | NW50-80 (prod. No. 6180)
 - NW50-144 (prod. No. 5303) | NW50-184 (prod. No. 5153)
 - NW63-124 (prod. No. 5836) | NW63-184 (prod. No. 6390)
 - NW75-180 (prod. No. 6711) | NW75-120 (prod. No. 6710)

Straight insulating needles (L= up to 6m)

NW38-straight (prod. No. 6028) | NW63-straight (prod. No. 5839)

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NW75-straight (prod. No. 5840)

Notes:

- Max. usable length that can be ordered L= approx. 5.85m
- Total length = insertion depth + 15cm
- From approx. 1.5m total length upwards, the goods are bulky goods and, depending on the length, must be sent in separate parcels or as general cargo with a forwarding agent.

+++Deviating version +++

Useful length: L = _____ (Please specify when ordering)

+++++

Insulating needle NW63-140**Art. 5836**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection: 63.5mm (2½"), for NW63 hose

Material: Aluminium

Length: approx. 140.0cm

Insulation thickness: from approx. 230.0cm (hard boarded cavities when injection hole diameter is 120.0mm)

Optional accessories:

- Hose connector turnable SDV63 (2½") (prod. no. 6896)

More products:

Curved needles

NW38-130 (prod. no. 5304) | NW50-100 (prod. no. 6180) | NW50-140 (prod. no. 5303) | NW50-180 (prod. no. 5153) | NW63 -180 (prod. no. 6390) | NW75-140 (prod. no. 6710) | NW75 -180 (prod. no. 6711)

Straight needles (L= up to 6.0m):

NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730) | NW63-straight (prod. no. 5839) | NW75-straight (prod. no. 5840)

Insulating needle NW63-180**Art. 6390**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc, as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection: 63.5mm (2½"), for NW63 hose

Material: Aluminium

Length: approx. 180.0cm

Insulation thickness: from approx. 270.0cm (hard boarded cavities when injection hole diameter is 120.0mm)

Optional accessories:

- Hose connector turnable SDV63 (2½") (prod. no. 6896)

More products:

Curved needles

NW38-130 (prod. no. 5304) | NW50-100 (prod. no. 6180) | NW50-140 (prod. no. 5303) | NW50-180 (prod. no. 5153) | NW63 -140 (prod. no. 5836) | NW75-140 (prod. no. 6710) | NW75 -180 (prod. no. 6711)

Straight needles (L= up to 6.0m):

NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730) | NW63-straight (prod. no. 5839) | NW75-straight (prod. no. 5840)

Insulating needle, straight NW63**Art. 5839**

Klick me! (Image similar)

Straight insulating needle with slanting outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging directs the material current.

Hose connector and diameter: NW63

Material: Aluminium

Weight: approx. 0.9kg/m

Max. total length: up to 6m

Required blow-in opening: >Ø=63mm

(Price applies to all insulating needles with a length of up to 3m max, more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in metres (max. 6m))

Optional Accessories:

- Insulating needle: connector set NW75>63 (prod. no. 6124)

More products:

Curved needles

- NW50-80 (product no. 6180) | NW50-144 (product no. 5303)
 - NW50-184 (product no. 5153) | NW63-124 (product no. 5836)
 - NW63 -184 (product no. 6390) | NW75 -180 (product no. 6711)
 - NW75-120 (product no. 6710) | NW38-90 (Art.-Nr. 5304)

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Straight needles (L= up to 6m)
 NW38-straight (product no. 6028) | NW50-straight (product no. 5730)
 NW75-straight (product no. 5840)

Notes:

- Max. usable length that can be ordered L= approx. 5.85m
- Total length = insertion depth +15cm
- From approx. 1.5m total length upwards, the goods are bulky goods and, depending on the length, must be sent in separate parcels or as general cargo with a forwarding agent.

+++Deviating version +++

Useful length: L = _____ (Please specify when ordering)

+++++

Insufflation needle NW75-140**Art. 6710**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc., as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection: 76.1mm (3"), for NW75 hose

Material: Aluminium

Length: approx. 140.0cm

Insulation thickness: from approx. 310.0cm (hard boarded cavities when injection hole diameter is 120.0mm)

Optional accessories:

- Insulating needle: connection set NW90>75 (3½">3") (prod. no. 10141)
- Hose connector turnable SDV75 (3") (prod. no. 4451)

More products:

Curved needles

NW38-130 (prod. no. 5304) | NW50-100 (prod. no. 6180) | NW50-140 (prod. no. 5303) | NW50-180 (prod. no. 5153) |
 NW63-140 (prod. no. 5836) | NW63-180 (prod. no. 6390) | NW75-180 (prod. no. 6711)

Straight needles (L= up to 6.0m):

NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730) | NW63-straight (prod. no. 5839) | NW75-straight
 (prod. no. 5840)

Insulating needle NW75-180**Art. 6711**

Klick me! (Image similar)

Curved tube for injecting through vapour barriers etc., as well as for filling hard boarded cavities when a sufficiently large injection hole is available. Enables precise material insertion and redensification of the insulation material. Specially shaped tip for piercing the foil.

Connection: 76.1mm (3"), for NW75 hose

Material: Aluminium

Length: approx. 180.0cm

Insulation thickness: from approx. 340.0cm (hard boarded cavities when injection hole diameter is 120.0mm)

Optional accessories:

- Insulating needle: connection set NW90>75 (3½">3") (prod. no. 10141)
- Hose connector turnable SDV75 (3") (prod. no. 4451)

More products:

Curved needles

NW38-130 (prod. no. 5304) | NW50-100 (prod. no. 6180) | NW50-140 (prod. no. 5303) | NW50-180 (prod. no. 5153) |
 NW63-140 (prod. no. 5836) | NW63-180 (prod. no. 6390) | NW75-140 (prod. no. 6710)

Straight needles (L= up to 6.0m):

NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730) | NW63-straight (prod. no. 5839) | NW75-straight
 (prod. no. 5840)

Insulating needle NW75-straight**Art. 5840**

Klick me! (Image similar)

Straight insulating needle with slanting outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging directs the material current.

Hose connector and diameter: NW75

Material: Aluminium

Max. total length: up to 6m

Required blow-in opening: >Ø=76mm

(Price applies to all insulating needles with a length of up to 3m max; more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in metres.)

Optional Accessories:

- Insulating needle: connector set NW75>50 (prod. no. 6103)
- Insulating needle: connector set NW75>63 (prod. no. 6124)

Similar articles:

Insulating needle, bent

- NW38-90 (prod. no. 5304) | NW50-80 (prod. no. 6180)

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- NW50-144 (prod. no. 5303) | NW50-184 (prod. no. 5153)
- NW63-124 (prod. no. 5836) | NW63 -184 (prod. no. 6390)
- NW75-120 (prod. no. 6710) | NW75 -180 (prod. no. 6711)

Insulating needle, straight (L=up to 6m)
 NW38-straight (prod. No. 6028) | NW50-straight (prod. No. 5730)
 NW63-straight (prod. No. 5839)

Notes:

- Max. usable length that can be ordered L= approx. 5.85m
- Total length = insertion depth +15cm
- From approx. 1.5m total length upwards, the goods are bulky goods and, depending on the length, must be sent in separate parcels or as general cargo with a forwarding agent.

+++Deviating version +++

Useful length: L = _____ (Please specify when ordering)

+++++

Insulating needle NW90-straight**Art. 8179**

Straight insulating needle with slanting outlet for blowing lying elements. Enables a pinpoint insertion and repressing of the insulation material. A special shaped top with continuous tagging directs the material current.



Klick me! (Image similiar)

Hose connector and diameter: NW90
 Material: Aluminium
 Length: up to 6000mm (request when ordering)
 Required blow-in opening: >Ø=90mm

(Price applies to all insulating needles with a length of up to 3m max; more special lengths (max. 6m) are to be calculated as follows: price divided through 3 x the desired length in metres.)

Optional Accessories:

- Insulating needle: connector set NW75>50 (prod. no. 6103)
- Insulating needle: connector set NW75>63 (prod. no. 6124)

Similar articles:

Insulating needle, bent

- NW38-90 (prod. no. 5304) | NW50-80 (prod. no. 6180)
- NW50-144 (prod. no. 5303) | NW50-184 (prod. no. 5153)
- NW63-124 (prod. no. 5836) | NW63 -184 (prod. no. 6390)
- NW75-120 (prod. no. 6710) | NW75 -180 (prod. no. 6711)

Insulating needle, straight (L=up to 6m)
 NW38-straight (prod. no. 6028) | NW50-straight (prod. no. 5730)
 NW63-straight (prod. no. 5839)

Insulating needle: Connection set NW63>38 (2½">1½")**Art. 6104**

Klick me! (Image similiar)

Connection set, consisting of:

- 1x Conveying hose NW38 (1½"), smooth, L=4.0m (prod. no. 414)
- 1x Reducer tube connector NW63>38 (prod. no. 1970)
- 2x Conveyer hose NW38 (1½") hose clamp (prod. no. 512)
- 1x Sealing sponge NW38/NW50, 250x250x40 (prod. no. 7101)

Insulating needle: Connection set NW63>50 (2½">2")**Art. 6206**

Klick me! (Image similiar)

Connection set, consisting of:

- 1x Conveying hose NW50 (2"), smooth, L=4.0m (prod. no. 329)
- 1x Reducer tube connector NW63>50 (2½">2") Aluminium (prod. no. 1264)
- 2x Hose clamp NW50 (2") (prod. no. 175)
- 1x Sealing sponge NW50/NW63, 250x250x40 (prod. no. 7100)

Optional recommended accessories:

- Rotary hose connector SDV50 (2") (Art.-Nr. 6522)

Insulating needle: Connection set NW75>50 (3">2")**Art. 6103**

Klick me! (Image similiar)

Connection set, consisting of:

- 1x Conveying hose NW50 (2"), smooth, L=4.0m (prod. no. 329)
- 1x Reducer tube connector NW75>50 (3">2") Aluminium (prod. no. 1262)
- 2x Hose clamp NW50 (2") (prod. no. 175)
- 1x Sealing sponge NW50/NW63, 250x250x40 (prod. no. 7100)

Optional recommended accessories:

- Rotary hose connector SDV50 (2") (Art.-Nr. 6522)

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Insulating needle: connection set NW75>63 (3" > 2½")

Art. 6124



- Connection set, consisting of:
- 1x Conveying hose NW63 (2½"), smooth, L=4.0m (prod. no. 573)
 - 1x Reducer tube connector NW75>63 (3" > 2½") Aluminium (prod. no. 1261)
 - 2x Hose clamp NW63 (2½") (prod. no. 176)
 - 1x Sealing sponge NW50/NW63, 250x250x40 (prod. no. 7100)

- Optional recommended accessories:
- Rotary hose connector SDV63 (2½") (prod. no. 6896)

Insulating needle: connection set NW90>75 (3½" > 3")

Art. 10141



- Connection set, consisting of:
- 1x Conveying hose NW75 (3"), smooth, L=4.0m (prod. no. 284)
 - 1x Reducer tube connector NW90>75 (3½" > 3") Aluminium (prod. no. 1271)
 - 2x Hose clamp NW75 (3") (prod. no. 177)
 - 1x Sealing sponge NW63/NW75, 250x250x40 (prod. no. 7099)

- Optional recommended accessories:
- Rotary hose connector SDV75 (3") (prod. no. 4451)

Injection hose NW63 (2½"), L=20m

Art. 5238



- Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.
- Colour: flame red
- Advantages
- rigid design so can therefore be easily passed through barriers
 - greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

Injection hose NW90 (3½"), L=20m

Art. 8293



- Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.
- Colour: flame red
- Advantages
- rigid design so can therefore be easily passed through barriers
 - greater rigidity makes positioning the hose end to the cavity noticeably easier
- ++ 10% discount when purchasing more than 3 hoses ++

flexible injection hose NW63 (2½"), L=20m (blue)

Art. 5239



- Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.
- Colour: sky blue
- Advantages
- Facilitates hose insertion into small insulation thicknesses or small injection holes.
 - Better processing at low temperatures.
- ++ 10% discount when purchasing more than 3 hoses ++

flexible injection hose NW75 (3"), L=20m (blue)

Art. 5237



- Made completely from PE, for injecting non-abrasive insulation materials. Ideally suited for insulating rafter spaces, flooring spaces, walls and other cavities, good stiffness properties. Tension belt included.
- Colour: sky blue
- Advantages
- Facilitates hose insertion into small insulation thicknesses or small injection holes.
 - Better processing at low temperatures.
- ++ 10% discount when purchasing more than 3 hoses ++

Electrics: Signal lamp green / orange / red

Art. 6665

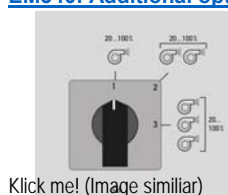


- Indicator light for operating states
- Technical details:
- Diameter: approx. 70mm
 - Integrated high brightness LEDs
 - Long service life, minimum maintenance costs
 - Protection class IP65

- Optional:
- Electrics: Signal lamp buzzer (prod. no. 7956)

EM340: Additional option for blower 3, controllable via speed controller

Art. 7730



With this additional option, the third centrifugal fan (blower no. 3) can not only be switched off or on as a booster, but its output is controlled synchronously with the first and second centrifugal fan (blowers no. 1 and no. 2) via remote control.

- Suitable for:
- EM 340-400V-7,3kW High-powered compact insulation blowing machine (prod.-no. 5770)

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Sealings, filters, wering parts, etc.

EM3X5/EM440: Connection set for amplifier (NW90/NW63)

Art. 8279



Klick me! (Image similar)

Accessories for connecting the amplifier blowers (outlet NW63) to an insulation blowing machine with a direct expansion (outlet NW90).

- Consisting of
- 1x Y-piece NW90/63>90 stainless steel (prod. no. 6670)
 - 1,5 m Conveyor hose NW63 (prod. no. 4498)
 - 1,5 m Conveyor hose NW90 (prod. no. 4505)
 - 2x Hose clamp NW63 (prod. no. 176)
 - 2x Hose clamp NW90 (prod. no. 1923)

EM3X5/EM440: Connection set for amplifier

Art. 6453



Klick me! (Image similar)

Accessories for connecting the amplifier blowers (outlet NW63) to an insulation blowing machine (outlet NW75).

- Consisting of
- 1x Y-piece NW75/63>75 stainless steel (prod. no. 2221)
 - 1,5 m Conveyor hose NW63 (prod. no. 4498)
 - 1,5 m Conveyor hose NW75 (prod. no. 4485)
 - 2x Hose clamp NW63 (prod. no. 176)
 - 2x Hose clamp NW75 (prod. no. 177)

EM3XX: Fastening element set for blowing machine

Art. 10372



Klick me! (Image similar)

for the transport-safe mounting of a blow-in machine of the type EM3XX on a horizontal surface.

- Consisting of:
- HALFEN rail (art. no. 5736, 3 pieces)
 - HALFEN bolts (Art.-No. 5631, 3 pieces)
 - Support plate frame (Art. No. 10373, 3 pieces)
 - Required screws, nuts, washers, spring washers
 - Assembly instructions / sketch

EM400: Optional add-on AE - blow-off unit (EM440-3x230V/10.0kW only)

Art. 6526



Klick me! (Image similar)

Pressure control unit consisting of weighted pistons and air outlet holes in the cylinder. With the adjustable weighted discs, desired maximum pressure can be selected.

Responsive pressure control.

Responsive pressure control. This is especially advantageous for pressure sensitive retaining board material and airtight construction (plaster board, etc.).

Consists of:

- Fully assembled blower unit.
- Slide gate weight: 3 x 0,4 kg, 3 x 1,0 kg, 1 x 2,0 kg
- Safety catch
- Scatter diagram of weight loading / Maximum pressure

+++++

This item can only be added to an EM440-3x230V-10kW

For all other EM400- and EM500-models please use Art.-Nr. 4038

+++++

EM4XX/5XX: Optional add-on DS - Adjustable airlock rotation speed

Art. 5060



Klick me! (Image similar)

The extension allows the adjustment of the airlock speed via the FFB2000-Pro radio remote control for an optimum adjustment of the conveying capacity.

Typical applications:

- Optimisation of throughput for sluice speeds above 50Hz
- Fine adjustment when using hoses and injection nozzles with small cross-sections
- Use of the blow-in machine in connection with a blow-in panel / factory filling system

Technical specification:

- Installation of an additional frequency converter 1.5kW in the drive train of the lock/chopper
- Electrical integration into the switchgear

Options/hints:

- On special request, the selection of the airlock speed can be provided at the switch box
- The additional option cannot be combined with item no. 8615 "EM4XX: Additional package WB for integration of the blow-in machine into a factory filling system".

EM3X5/EM440: Connection set for amplifier

Art. 9144



Klick me! (Image similar)

Accessories for connecting the amplifier blowers (outlet NW63) to an insulation blowing machine (outlet NW90).

- Consisting of
- 1x Y-piece NW90/63>90 stainless steel (prod. No. 6670)
 - 1,5 m Conveyor hose NW63 (prod. No. 573)
 - 1,5 m Conveyor hose NW75 (prod. No. 422)
 - 2x Hose clamp NW63 (prod. No. 176)
 - 2x Hose clamp NW75 (prod. No. 1923)

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EM4XX: Reducer tube PE 90>76 with O-Ring

Art. 5145



Klick me! (Image similar)

Reducer with O-ring seal for insertion into a suction bonnet with a diameter of 90 mm. This allows a VS115I or VS250I suction barrel to be connected to the outlet.

- Diameter inlet: approx. 88,9mm
- Diameter outlet: approx. 76,1mm
- Material: PE black

EM4XX: Additional package for integrating the insulation blowing machine into a factory filling system

Art. 8615



Klick me! (Image similar)

Required higher-level control and safety equipment for operating the insulation blowing machine in combination with an upstream material feed unit (e.g. GBF) and/or a downstream insulation blowing panel (EP) as factory filling plant ("Interlinked machine" according to the European Machinery Directive 2006/42/EG). By pressing an emergency stop switch of one of the plant components involved, a safety shutdown of the complete factory filling plant will take place. An independent operation is still possible.

Consisting of:

- Safety relay and power contactor for ensuring the safety functions
- 24-pin control connection for connecting an insulation blowing panel EP800/EP1050, including necessary safety functions
- 14-pin control connection for connecting a bale conditioning machine GBF1050, including necessary safety functions
- 4-pin connection for level sensor
- Function connector 15+1 pin for stand-alone operation (prod. No. 8672)
- Function connector 24+1 pin for stand-alone operation, including adapter function (prod. No. 8671). The function connector can alternatively be used as an adapter for connecting a radio remote control FFB2000-Pro.
- Fully electrically wired and checked

Options/hints:

- Control cable 5m, for interlinking EM4XX -> Bale conditioning machine (prod. No. 8619)
- Control cable 50m, for interlinking EM4XX -> Insulation blowing panel (prod. No. 8618)
- This additional package cannot be combined with art. no. 5060 "EM4XX/5XX: Additional option DS - Adjustable sluice speed".

Ventilated Clamp NW75 /D106,5mm with perforated metal cage

Art. 8422



Klick me! (Image similar)

Ventilation clamp with perforated sheet metal cage for passive or active ventilation of building elements, consisting of:

- Ventilation cage D= approx. 75mm, total length approx. 85mm
- Clamp suitable for drill holes 106,5...108mm
- Hose connector / venting nozzle NW75 / 3"

Recommended accessories:

- DDE: Hole Saw Pro D=106,5mm: drilling bit (Prod. no. 6184)
- Sealing corks VK106 (Prod. no. 1948)
- DDE: Dust suck with connection up to D=76 mm (Prod. no. 3445)

EP: Additional package for integrating the insulation blowing panel into a factory filling system

Art. 8617



Klick me! (Image similar)

Required control and safety equipment for operating the insulation blowing panel (EP800, EP1050) in combination with an upstream insulation blowing machine (EM) as factory filling plant ("Interlinked machine" according to the European Machinery Directive 2006/42/EG). By pressing an emergency stop switch of one of the plant components involved, a safety shutdown of the complete factory filling plant will take place. An independent operation for maintenance purposes is still possible.

Consisting of:

- Power contactor for ensuring the safety functions
- 24-pin control connection for connecting an insulation blowing machine (EM)
- Function connector 24+1 pin for stand-alone operation (prod. No. 8670)
- Fully electrically wired and checked

Optional accessories:

- Control cable 50m, for interlinking EM4XX -> Insulation blowing panel (prod. No. 8618)
- EP: Function connector 24+1 pin for stand-alone operation (Art.-Nr. 8670)

Fibre switch/material switch/pipe switch pneumatic, 1-inlet

Art. 10012



Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of elements

Advantages

- Easy operation, quick diverting of the material flow via remote control or an insulation blowing machine
- Interruption-free filling of elements
- Powerful drive, switches even in case of back pressure inside the hose
- Quick diverting between conveying and suctioning material
- Possibility of multiple switching

Technical details

Dimensions: approx. 480x275x130 (LxHxW)

Weight: approx. 8,3kg

Material: aluminium

Inlet: 1x NW75 (3")

Outlet: 2x NW75 (3")

Control input: 24V DC (standard)

Compressed air connection: Compressed air supply 6-10 bar/min. 55l/min.

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09**Spare parts****Sealings, filters, wering parts, etc.****Options**

- Control input: deviating execution with 24V AC, 12V DC, 230V AC possible on demand
- Limit switch for connecting a SPS (prod. no. 4022)
- FFB 22 - 2-channel radio remote control, unidirectional (prod. no. 8229)
- Master-Slave cable for controlling via an insulation blowing machine (prod. no. 4341)
- Air compressor, small (prod. no. 4049)

Alternative and replacement articles

- Fibre switch/material switch/pipe switch pneumatic, 3-outlets (prod. no. 5179)
- Fibre switch/material switch/pipe switch compact NW75>75 (prod. no. 2794)

FFB 2000 Pro - FM Radio/Cable Remote Control**Art. 5154**

Klick me! (Image similar)

Bidirectional radio remote control for M99-DS-Pro, M95, EM3XX, EM4XX, EM5XX, etc., suitable for all machine types, bidirectional radio communication with FM technology, authorised in Germany and all EU member states.

Consists of:

- Mobile hand held unit with antenna and socket for control/charging cable
- Plug-in charger
- Receiver (IP64) in metal casing with antenna and approx. 4m connection cable with contact-plug
- Complete in aluminium case

Optional:

- FFB2000-Pro: Connection cable 50m (Ring) (prod. no. 5280) (other lengths on request)
- Control cable 50m PUR, ring (10-core, contact-plug/-socket) (prod. No. 7208)
- FFB2000-Pro: Charger for car (cigarette lighter) (prod. No. 7904)
- FFB2000-Pro: Control cable 50m PUR 10x0,34mm² (prod. No. 7208)
- 230V power adapter 230V/2,5A Euro, 2m (Art.-Nr. 10374)
- Velcro return fastener L=350mm, black (Art.-No. 10950. 2 pieces)

Spare parts:

- FFB2000/FFB2000-Pro: Rod antenna, short (art. No. 11606)
- FFB2000/FFB2000-Pro: Multiflex antenna (art.-no. 1474)
- Velcro tape return fastener L=350mm, black (Art.-No. 10950. 2 pieces)

Notes:

- In the event of radio contact interference, discharged batteries or other radio interference, the handset can be used as a wired control (connection cable required).
- If the range is exceeded or in the event of radio contact interference, an attempt can be made to position the receiver more favourably. A control extension cable (art. No. 7208) may be required for this.

To be noted when reordering:

The radio remote control must be pre-parameterized for use with a specific machine type on the respective machine. Therefore, please inform us of the serial number of the machine for which the control is to be used when placing your order.

FFB 500 - Radio remote control bidirectional**Art. 6708**

Klick me! (Image similar)

Bidirectional radio remote control for controlling X-Floc insulation blowing machines and fibre switch cascades

Suitable for

- Insulation blowing machines with control circuits
- Fibre switch cascades

Advantages

- Robust plastic housing
- Light and handy design
- High range
- Possibility to choose between two operating frequencies

Hand-held control:

- Dimensions (WxHxD): 62x111x18mm
- Weight: approx. 80g (without batteries)
- Radio performance: 10dBm
- Operating frequencies (adjustable): 868,15 MHz, 868,45 MHz
- Range: approx. 180m in free field
- Batteries: 3x AAA micro cells
- Battery life: approx. 800 working hours
- Number of buttons: 8
- Battery- and radio contact LED
- Operation: Air ON, Material ON, Air and Material ON
- Key lock (against unintended input)
- Possible setting of the air- and material's start-up and shut-down delay times (0...9 sec.)
- Short circuit-, under- and overvoltage protected

Receiver:

- Dimensions (HxBxT): 81x120x46mm (without magnet foot and antenna)
- Weight: approx. 250g (without cable)

Delivery list with illustrations

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09	Spare parts	Sealings, filters, wering parts, etc.
	<ul style="list-style-type: none"> - Radio performance: 10 dBm - Range monitoring with safety shut-down when exceeding - Short circuit-, under- and overvoltage protected 	
	<p>Scope of delivery</p> <ul style="list-style-type: none"> - Receiver with antenna - Hand-held control - Case - Neck strap - Operating Instructions 	
	<p>Options/alternatives:</p> <ul style="list-style-type: none"> - Hand-held control sport case (prod. No. 5016) - Wrist strap L= 21cm (prod. No. 7128) - Control adapter 7+1 pin male to 8+1 pin female (item no. 7176, required for series M99B, M99C, M99D, M99E) - Control cable 25m PUR, ring (10-core, contact plug/socket) (prod. No. 8087) - Control cable 50m PUR, ring (10-core, contact plug/socket) (prod. No. 7208) - FFB 500-922 - Radio remote control bidirectional (art. No. 8869, required for countries where the 922 MHz band is released). 	
	<p>FFB 500-922 - Radio remote control bidirectional</p>	
	<p>Art. 8869</p>	
	<p>922 MHz</p>	
	<p>Bidirectional radio remote control for controlling X-Floc insulation blowing machines and fibre switch cascades. Special version 922MHz, to be used in America, Asia.</p>	
	<p>Suitable for</p> <ul style="list-style-type: none"> - Insulation blowing machines with control circuits - Fibre switch cascades 	
	<p>Advantages</p> <ul style="list-style-type: none"> - Robust plastic housing - Light and handy design - High range 	
	<p>Hand-held control:</p> <ul style="list-style-type: none"> - Dimensions (WxHxD): 62x111x18mm - Weight: approx. 80g (without batteries) - Radio performance: 10dBm - Operating frequencies: 922 MHz - Range: approx. 180m in free field - Batteries: 3x AAA micro cells - Battery life: approx. 800 working hours - Number of buttons: 8 - Battery- and radio contact LED - Operation: Air ON, Material ON, Air and Material ON - Key lock (against unintended input) - Possible setting of the air- and material's start-up and shut-down delay times (0...9 sec.) - Short circuit-, under- and overvoltage protected 	
	<p>Receiver:</p> <ul style="list-style-type: none"> - Dimensions (HxBxT): 81x120x46mm (without magnet foot and antenna) - Weight: approx. 250g (without cable) - Radio performance: 10 dBm - Range monitoring with safety shut-down when exceeding - Short circuit-, under- and overvoltage protected 	
	<p>Scope of delivery</p> <ul style="list-style-type: none"> - Receiver with antenna - Hand-held control - Case - Neck strap - Operating Instructions 	
	<p>Options</p> <ul style="list-style-type: none"> - Hand-held control sport case (prod. no. 5016) - Wrist strap L= 21cm (prod. no. 7128) - Control adapter 7+1 pin plug to 8+1 pin socket (prod. no. 7176) - Control adapter 8+1 pin plug to 7+1 pin socket (prod. no. 7447) - Control cable 25m PUR, ring (10-core, contact plug/socket) (prod. no. 8087) - Control cable 50m PUR, ring (10-core, contact plug/socket) (prod. no. 7208) - Control cable 50m PUR on drum (10-core, contact plug/socket) (prod. no. 8086) 	



Klick me! (Image similar)

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09 Spare parts

Sealings, filters, wering parts, etc.

FFB2000-Pro: Receiver

Art. 5157



Klick me! (Image similair)

Receiver of the radio remote control FFB2000-Pro

Receiver of the radio remote control FFB2000-Pro for controlling compatible insulation blowing machines, to be connected to the insulation blowing machine's machine control socket

Suitable for:

- X-Floc insulation blowing machines of type M99-DS-Pro, M95, EM3XX, EM4XX

Advantages:

- Robust construction made of metal in handy form
- Magnetic base enables an easy positioning on metal surfaces
- Increasing the range by connecting an optionally available connection cable between receiver and the insulation blowing machine or between receiver and hand-held control (cable operation)

Technical details:

- Dimensions (LxWxH): approx. 310x80x50mm
- Weight (incl. connection cable): approx. 800g
- Power supply: 20-28V DC

Scope of delivery:

- Receiver incl. 4m connection cable and plug
- 1x Rod antenna, short

Optional accessories:

- FFB2000-Pro: Connection cable 50m (ring) (prod. no. 5280) (other lengths on request)
- FFB2000-Pro: Connection cable 50m on drum (prod. no. 5167)
- FFB2000-Pro: Hand-held control (prod. no. 5156)
- FFB2000/FFB2000-Pro: Multiflex antenna (prod. No. 1474)

When reordering a radio hand-held transmitter or a radio receiver, a new teach-in procedure must be carried out, see "Anlernen_FFB2000-Pro-de_en.pdf"

FFB2000-Pro: Hand-held control

Art. 5156



Klick me! (Image similair)

Portable hand-held control of the radio remote control FFB2000-Pro

Hand-held control of the radio remote control FFB2000-Pro for controlling compatible insulation blowing machines in radio or cable mode

Suitable for:

- X-Floc insulation blowing machines of type M99-DS-Pro, M95, EM3XX, EM4XX

Advantages:

- Easy to operate and handy design
- Choice between four radio channels
- Provides numerous individual settings (dynamic pressure control, automatic shutdown, setting the delay times and many more)
- Average operating time up to 30 hours, depending on the intensity of use
- Fast charging
- Can be used as a radio- or cable remote control (only in conjunction with a suitable receiver)

Technical details:

- Dimensions (LxWxH): approx. 350x45x50mm
- Weight: approx. 400g
- Power supply: 3,6V DC
- Battery: NiMH, type AAA
- Range: >100m in free field

Scope of delivery:

- Hand-held control with carrying strap
- 3x batteries type AAA
- 1x Rod antenna, short

Optional accessories:

- FFB2000-Pro: Connection cable 50m (ring) (prod. no. 5280) (other lengths on request)
- FFB2000-Pro: Connection cable 50m on drum (prod. no. 5167)
- FFB2000-Pro: Car charger cable (cigarette lighter 24V) (prod. no. 7904)
- FFB2000-Pro: Control cable 50m PUR 10x0,34mm² (prod. no. 7208)
- FFB2000-Pro: Receiver (prod. no. 5157)
- FFB2000/FFB2000-Pro: Multiflex antenna (prod. No. 1474)

Notes:

The following battery types have been tested for proper function:

- Sanyo Eneloop HR-4UTGB
- Panasonic Eneloop Micro BK-4MCCE
- Panasonic HHR-80AAAAB
- Duracell Staycharged (AAA)

Delivery list with illustrations

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09 Spare parts Sealings, filters, wering parts, etc.

When reordering a radio hand-held transmitter or a radio receiver, a new teach-in procedure must be carried out, see "Anlernen_FFB2000-Pro-de_en.pdf"

FFB2000-Pro: Charging cable for the car (car cigarette lighter 24V)**Art. 7904**

Adapter for charging an FFB2000-Pro on a 12/24V on-board power supply.



Klick me! (Image similar)

Notes on use:

- For the charging process, use the 12V position (yellow setting wheel, default setting ex works).
- The charging cable can be used for on-board power supply systems with 12V...24V DC.
- The insert "G" (5.5 x 2.5) is suitable for use on the device connection of the hand control unit of the FFB2000-Pro.

FFB2000-Pro: Connecting cable 50m (ring)**Art. 5280**

Connection cable or extension cable for FFB2000-Pro hand control unit to receiver, ready to plug in, consisting of:

- 50m shielded data cable 5x0.34qmm, flexible, drag chain compatible
- Connector 4-pole, with quick lock
- Coupling 4-pole with quick lock



Klick me! (Image similar)

FFB400: Control adapter 8+1 pole plug to 7+1 pole socket**Art. 7447**

Adapter (L=approx. 0,3m) for use with a radio remote control FFB400 in combination with an insulation blowing machine M99G.



1. side: plug 8+1 pole
2. side: socket 7+1 pole

Klick me! (Image similar)

FFB500: Control adapter 7+1 pin plug on 8+1 pin socket**Art. 7176**

Adapter (L=approx. 0,3m) for use of a radio remote control FFB500 in combination with an insulation blowing machine Minifant M99, series C, D, E or F.



1. Connector side: socket 8+1 pin
2. Connector side: plug 7+1 pin

Klick me! (Image similar)

FFB500: Steueradapter 7+1 pol Stecker auf 8+1 pol Buchse**Art. 7876**

#####

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Klick me! (Image similar)

Pneumatic Fibre Switch Cascade with 4 Outputs**Art. 5063**

Pneumatic driven material sorting gate for uninterruptible switchover from solid material air flows with four outflows, fully functioning and completely prepared for connecting a radio remote control or connectable over foreign signals. Module is completely assembled on ground plates consisting of 3-piece pneumatically driven material switches, fastening, hose installation, and connected electrically and pneumatically.

Special features:

- Extremely quick switchover, therefore low tendency for blockages to build
- No unwanted material entry into not used outputs
- Powerful drive, switches also during backflow in the hoses
- Controllable via radio remote control

Technical details:

- Input: hose socket NW75 (3")
- Output: 4x hose sockets NW75 (3")
- Switching time: <0,5 seconds
- Air pressure connection: 1/4", (approx. 55l/min, depending on how often it is applied)
- Power supply: 230V / 50Hz
- Required control signals: 3 switch inputs 24V =
- Weight: approx. 35kg
- Dimensions: approx. 500 x 600 x 480 (LxWxH)

Options/Accessories:

- FFB 500 - radio remote control bidirectional (prod. no. 6708)
- Reducer tube NW75>50 for pneumatic fibre switch (prod. No. 6890)

Warning: Pay attention to safety and maintenance according to the enclosed manual!



Klick me! (Image similar)

Delivery list with illustrations

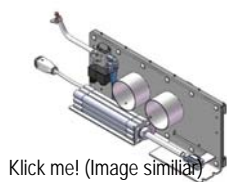
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09 Spare parts Sealings, filters, wering parts, etc.

Fibre switch/material switch pneumatic 1-fold, NW90 (3½")

Art. 9951



Klick me! (Image similar)

Pneumatic flake diverter for uninterrupted filling of elements

Advantages

- Easy operation, quick diversion of the material flow via remote control or connection to an injection machine
- Uninterrupted filling of elements
- Powerful drive, switches even if there is a backlog in the hose
- Fast switching between blowing and sucking
- Combined multiple switching possible, series connection enables switch banks with 4, 8 or more outputs to be realised

Technical data:

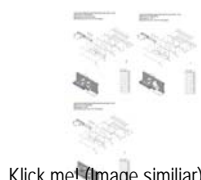
- Dimensions: approx. 510x211x161 (LxHxW)
- Weight: approx. 8,3kg
- Material: steel
- Inlet: 1x NW90 (3½")
- Outlet: 2x NW90 (3½")
- Control input: 24V DC (standard, deviating version possible)
- Compressed air supply: Compressed air supply 6-10 bar/min. 55l/min.

Options:

- Control input: deviating version with 24V AC, 12V DC, 230V AC possible on request
- Limit switch for connection to a PLC (art. no. 4022)
- FFB 22 - 2-channel radio remote control, unidirectional (art. no. 8229)
- Master-slave cable for control via a blow-in machine (art. no. 4341)
- Compressor, compressed air (1.1kW) (art. no. 8494)

Fibre switch/material switch/pipe switch pneumatic 1-fold, NW90 (3½") for blowing panel

Art. 9971



Klick me! (Image similar)

Pneumatic material switch NW90>90.

Technical data:

- Dimensions:
- Q1: approx. 495x246x215 (LxWxH)
- Q2: approx. 495x186x215 (LxWxH)
- Q3: approx. 495x209x215 (LxWxH)
- Weight: approx. 11kg
- Material: mild steel
- Inlet: 1x NW90 (3½")
- Outlet: 2x NW90 (3½")
- Control input: 24V DC (standard, deviating version possible)
- Compressed air connection: Compressed air supply 6-10 bar/min. 55l/min
- Switching time: approx. 80 - 160ms

Translated with www.DeepL.com/Translator (free version)

Fibre switch/material switch/pipe switch pneumatic, 3-outlets NW75 (3")

Art. 5179



Klick me! (Image similar)

Fibre switch designed for an interruption-free filling of elements

Advantages

- Easy operation, quick diverting of the material flow via remote control or an insulation blowing machine
- Interruption-free filling of elements
- Powerful drive, switches even in case of back pressure inside the hose
- Quick diverting between conveying and suctioning material
- Possibility of multiple switching

Technical details

- Dimensions: approx. 480x275x130 (LxHxW)
- Weight: approx. 8,3kg
- Material: aluminium
- Inlet: 2x NW75 (3")
- Outlet: 3x NW75 (3")
- Control input: 24V DC (standard)
- Compressed air connection: Compressed air supply 6-10 bar/min. 55l/min.

Options

- Control input: deviating execution with 24V AC, 12V DC, 230V AC possible on demand
- Limit switch for connecting a SPS (prod. no. 4022)
- FFB 22 - 2-channel radio remote control, unidirectional (prod. no. 8229)
- Master-Slave cable for controlling via an insulation blowing machine (prod. no. 4341)
- Air compressor, small (prod. no. 4049)
- Suitable control plug (prod. no. 1350+1231)

Alternative and replacement articles

- Fibre switch/material switch/pipe switch pneumatic, 1-inlet (prod. no. 3846)

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09 Spare parts

Sealings, filters, wering parts, etc.

Fibre switch/material switch/pipe switch, revolver 2>3 NW75 (3")

Art. 6058



Klick me! (Image similar)

Material switch NW75 (3") with two inputs and three outputs. Can be used for different applications.

Examples of use:

- Uninterrupted filling of elements by diverting the material flow without switching off the blow-in machine (position 1: running element, position 2: following element, etc.)
- Filling of elements which were equipped with several hoses (position 1: first outlet, position 2: second outlet, position 3: third outlet or "pre-hosing")
- Setting up a bubble-suction circuit: position 1 = blowing in, position 2 = suction

Technical data:

- Inlet: 2x NW75 (3")
- Outlet: 3x NW75 (3")
- Practical stand with mounting holes
- Weight: approx. 4,6kg
- Material: stainless steel

Options:

- Fibre Switch/Material switch/Pipe switch: Connection set NW75 (3") (Art. No. 6157)
- Upgrade kit for Fibre switch/material switch/pipe switch, revolver 2>3 NW75 (3") (Art.-No. 9649)

Alternative and replacement articles:

- Fibre switch/material switch/pipe switch, revolver 2>3 NW75 (3"), pneumatic (prod. no. 9501)
- Fibre switch/material switch/pipe switch pneumatic, 3-outlets NW75 (3") (prod. No. 5179)
- Fibre switch/material switch/pipe switch compact NW75>75 (prod. No. 2794)

Tips & Tricks:

Video tutorial available, visit the X-Floc YouTube channel: <https://www.youtube.com/XflocInsulation>
Use the keyword "floc switch" to find the appropriate assistance.

Fibre switch/material switch/pipe switch, revolver 2>3 NW75 (3"), pneumatic

Art. 9501



Klick me! (Image similar)

Pneumatically driven material switch NW75 (3") with two inputs and three outputs. Can be used for different applications.

Application examples:

- Uninterrupted filling of elements by diverting the material flow without switching off the blow-in machine (position 1: running element, position 2: following element, etc.)
- Filling of elements which were equipped with several hoses (position 1: first outlet, position 2: second outlet, position 3: third outlet or "pre-hoses")
- Setting up a bubble-suction circuit: position 1 = blowing in, position 2 = suction

Technical data:

- Inlet: 2x NW75 (3")
- Outlet: 3x NW75 (3")
- Control input: 24V DC (standard) (other versions on request)
- Compressed air supply: Compressed air supply 6-10 bar/min 55l/min.
- Practical stand with mounting holes
- Weight: approx. 4,6kg
- Material: stainless steel

Options:

- Fibre Switch/Material switch/Pipe switch: Connection set NW75 (3") (Art. No. 6157)

Alternative and replacement articles:

- Fibre switch/material switch/pipe switch, revolver 2>3 NW75 (3"), pneumatic (prod. no. 9501)
- Fibre switch/material switch/pipe switch pneumatic, 3-outlets NW75 (3") (prod. No. 5179)
- Fibre switch/material switch/pipe switch compact NW75>75 (prod. No. 2794)

Revolver fibre switch 2>3 NW90 (3½")

Art. 9414



Klick me! (Image similar)

Revolver fibre switch for uninterrupted filling of elements

Advantages

- Easy operation, good adjustability and redirection of the material flow via handle and detent element
- Uninterrupted filling of elements
- Quick changeover between blowing and sucking
- Switching option for wide panels that are equipped with two to three hoses
- Switching between up to three permanently installed hoses or pipes

Technical data

- Weight: approx. 4.6kg
- Material: sheet steel
- Inlet: 2x NW90 (3½")
- Outlet: 3x NW90 (3½")

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09 Spare parts**Sealings, filters, wering parts, etc.****Fibre switch/material switch/pipe switch 1>2 NW63 (2½")****Art. 10046**

Klick me! (Image similar)

Material diverter NW63 (2½") with one inlet and two outlets. Can be used for various applications.

Application examples:

- Exhaust control on machines with integrated amplifier or on external amplifier units connected to an injection machine.
- Filling of elements by diverting the material flow without switching off the injection machine (position 1: running element, position 2: following element etc.)
- Filling of elements which have been fitted with several hoses (position 1: first outlet, position 2: second outlet or "pre-hosing").

Technical data:

- Inlet: 1x NW63 (2½")
- Outlet: 2x NW63 (2½")
- Weight: approx. 2.25 kg
- Material: stainless steel

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Optional accessories (e.g. for use as an exhaust air diverter for an EM440):

- Hose, cooling water hose NW63 (0.1 piece = 0.1m art. No. 3760)
- Hose clamp NW63 (2½") 68-73 (hinge bolt clamp) (2 pieces art. No. 2822)

Conveyor hose smooth NW102 (4"), L=20m**Art. 8878**

Klick me! (Image similar)

Spiral hose made of transparent PU/PVC composite. For conveying non-abrasive insulation materials. Incl. lashing strap.
++ discount of 10% when purchasing 3 or more pieces ++

+++ Note on shipping:

Shipping by forwarding agent required.

For special versions (up to max. 15 metres hose length) shipping by parcel service possible. +++

Conveyor hose with flexible earthing braids NW102 (4"), L = 20m**Art. 8913**

Klick me! (Image similar)

Spiral-coil hose made of PU/PVC composite transparent. With flexible earthing lead. Incl. Tension belt.
++ from 3 hoses upwards 10% discount ++**Conveyor hose smooth NW25 (1"), L=20m****Art. 704**

Klick me! (Image similar)

Spiral shielding transparent hose made from PU/PVC. For transporting non-abrasive insulation material.
Including strap.**Conveyor hose with flexible earthing braids NW90 (3½"), L = 20m****Art. 8911**

Klick me! (Image similar)

Spiral-coil hose made of PU/PVC composite transparent. With flexible earthing lead. Incl. Tension belt.
++ from 3 hoses upwards 10% discount ++**FSE: High pressure hose L=30m compatible with a high pressure pump system****Art. 5054**

Klick me! (Image similar)

Pressure hose with pressed nipples on each sides DKOL M14x1.5m for connecting spray heads to high pressure pumping systems, consists of:

- Hose
- One hand coupling M14x1.5
- One hand closure plug 1/4"

Hose ready assembled

Dimensions hose: Di=6mm, Da=13.5mm L=30m

Pressure: max. 180bar

Alternatives:

- High pressure hose L=15m, suitable for high pressure pump system (prod. no. 715)
- High pressure hose L=50m, suitable for high pressure pump system (prod. no. 5055)

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09 Spare parts Sealings, filters, wering parts, etc.

FSE: High pressure hose, L=50m, suitable for high pressure pumping system

Art. 5055



Klick me! (Image similar)

Pressure hose with pressed nipples on each sides DKOL M14x1.5m for connecting spray heads to high pressure pumping systems, consists of:

- Hose
 - One hand coupling M14x1.5
 - One hand closure plug 1/4"
- Hose ready assembled

Dimensions hose: Di=6mm, Da=13.5mm L=50m
Pressure: max. 180bar

Alternatives:

- High pressure hose L=30m, suitable for high pressure pump system (prod. no. 5054)
- High pressure hose L=15m, suitable for high pressure pump system (prod. no. 715)

Magnetic valve, 2/2-ways, G 1/4"

Art. 8334



Klick me! (Image similar)

2/2-ways magnetic valve

Magnetic valve for installation into the water promoting hose at the Inline-humidification

Suitable for:

- Inline-humidification
- Applications with damp-spraying

Advantages and limitations:

The water flow will be stopped when switching the machine off. Note: If the air flow is active, the magnetic valve is open. For this reason, we recommend to start/stop the air- and material flow always at the same time.

Technical details:

Power supply: 24V DC
Thread: G 1/4"
Diameter: 3mm
Length: 40mm
Working pressure: 0-13bar
Throughput: 3,2l/min.
Weight: 360g
Material: brass
Operating temperature: approx. -10°C to 80°C

Scope of delivery:

- 1x Magnetic valve with control cable and auxiliary power plug (length approx. 0.5m)

Advice:

For connection with blowing machine extra control cable is required (Art.-No. 1856, 1351, 1193, 1192)

FSE: Diaphragm pump connection set

Art. 11452



Klick me! (Image similar)

Inlet-side connection set for suction and return of liquid from a liquid container, length approx. 3m. Including required hose clamps.

Consisting of:

- Hose D =19mm (suction hose), (art. no. 9277)
- Hose 5/8" (D =16mm) (return hose), (item no. 9276)
- Hose clamp 12-22 (fastening), (art. no. 9279)
- Hose clamp 16-27 (fastening, 2 pieces), (art. no. 9280)

Notes:

- Liquid container not included in the scope of delivery
- Suitable for FSE: diaphragm pump 0.75kW, p=20bar (art. No. 206)

FSE: Diaphragm pump connection set

Art. 9281



Klick me! (Image similar)

Inlet-side connection set for suction and return of liquid from a liquid container, length approx. 3m. Including required hose clamps.

Consisting of:

- Hose D =19mm (suction hose), (art. no. 9277)
- Hose 5/8" (D =16mm) (return hose), (item no. 9276)
- Hose clamp 12-22 (fastening), (art. no. 9279)
- Hose clamp 16-27 (fastening, 2 pieces), (art. no. 9280)

Notes:

- Liquid container not included in the scope of delivery
- Suitable for FSE: diaphragm pump 0.75kW, p=20bar (art. No. 206)

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09 Spare parts

Sealings, filters, wering parts, etc.

FSE: Spray head NW63 with 4-8 spray nozzles

Art. 5824



Klick me! (Image similiar)

6-beam spray head with flat and oval outlet through which the fibre material flow is accelerated. Like this, there is a flat spray pattern which simultaneously moistens the material flow and consistently delivers a good spraying result.

Properties:

- Hose connection: NW63 (2 1/2")
- Spraying nozzles: 2, 4, 6 or 8 piece made from stainless steel (refitting possible, Standard: 6 piece)
- Liquid supply: via plug connection and ball valve
- Weight: 0,84 kg

Article for optional refitting:

- FSE Nozzle flat jet 0,63l-min (prod. no. 5829)

FSE: Spray head, Inline / adhesive- NW50>21

Art. 8120



Klick me! (Image similiar)

Adhesive spray head, Inline NW50>21

Spray head with inline nozzle for injection and adhesion of EPS granules. A complete wetting of the EPS beads enables a permanent solidification of the hollow layers insulation after the adhesive has been hardened. Settlements, material trickling out through gaps and cracks or subsequent changes can therefore not occur. The thin-walled nozzle pipe with its special shaped outlet enables a high processing speed at a relatively small bore diameter.

Characteristics:

- Hose connection for insulation material: NW50 (2")
- Nozzle pipe: outer diameter D=21mm, insertion depth approx. 260mm, straight outlet
- Easy to change nozzle pipe insert
- Connection for liquid adhesive: single-lever coupling (1/4") with shut-off valve (max. pressure 20bar)
- Material throughput: approx. 0,25l/min. at 10bar
- Weight: approx. 0,95kg

Note:

- Recommended liquid adhesive: adhesive XF10 for adhesion of EPS granules (prod. no. 7976)

FSE: Spray head, Inline / adhesive- NW50>24

Art. 7881



Klick me! (Image similiar)

Adhesive spray head, Inline NW50>24

Spray head with inline nozzle for injection and adhesion of EPS granules. A complete wetting of the EPS beads enables a permanent solidification of the hollow layers insulation after the adhesive has been hardened. Settlements, material trickling out through gaps and cracks or subsequent changes can therefore not occur. The thin-walled nozzle pipe with its special shaped outlet enables a high processing speed at a relatively small bore diameter.

Characteristics:

- Hose connection for insulation material: NW50 (2")
- Nozzle pipe: outer diameter D=24mm, insertion depth approx. 260mm, spoon shaped outlet
- Easy to change nozzle pipe insert
- Connection for liquid adhesive: single-lever coupling (1/4") with shut-off valve (max. pressure 20bar)
- Material throughput: approx. 0,25l/min. at 10bar
- Weight: approx. 0,95kg

Note:

- Recommended liquid adhesive: Adhesive XF10 for bonding EPS granulate (art. no. 7976).

Other versions available at no extra charge:

- Fog nozzle with bore diameter 1.0mm, AG 1/4 (Art.-No. 9632)
- Fog nozzle with bore diameter 1.2mm, AG 1/4 (art. no. 9633)

FSE: Spray head, Inline- type III (plastic) NW50 - set complete

Art. 5099



Klick me! (Image similiar)

Inline-spray head for applications with damp-spraying

Suitable for/as:

- Open blowing with addition of water
- Hose connector with humidifying function (Inline-humidifier), for dust reduction during the blowing process (De-Dust)

Advantages:

- Dust reduction during the blowing process
- Bundled material flow
- Less material waste
- Easy and quick installation

Technical details:

- Dimensions (LxW): approx. 130x110mm
- Weight: approx. 235g
- Hose connection: NW50 (2")
- Connection water pipe: NW12
- Number of nozzles: 1
- Pressure range: <20bar
- Amount of water: <2,5l/min.
- Material: plastic

Notes:

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09	Spare parts	Sealings, filters, wering parts, etc.
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- When desired, the hose connection can be equipped with a different plug system or a hose nozzle.
- In combination with a magnetic valve, the water flow can be stopped when switching the machine off.
- The Inline-humidification is possible by connecting a diaphragm pump or by connecting the system to a tap connector.

Optional accessories:

- Rotary hose connector SDV50 (prod. no. 6522)
- Hose connector NW50 (2"), stainless steel (prod. no. 235)
- Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262)
- Reducer tube connector NW 50>38 (aluminium) (prod. no. 1263)
- Reducer tube connector NW 63>50 (aluminium) (prod. no. 1264)
- FSE: Diaphragm pump p=20bar (prod. no. 206)
- Magnetic valve, 2/2-ways, G 1/4" (prod. no. 8334)
- FSE: One-hand connector 1/4" (prod. no. 577)
- FSE: One-hand coupling 1/4" (prod. no. 576)
- FSE: High pressure hose, suitable for high pressure pumping system, available in lengths 15/30/50m (prod. no. 715/5054/5055)

FSE: Spray head, Inline- type III NW50 (2") - set complete**Art. 10047**

Klick me! (Image similar)

In-line spray head for wet spray applications

Suitable for/as:

- Open inflation with the addition of water
- Hose connector with humidification function (inline humidifier), for dust reduction during the blow-in process (De-Dust)

Advantages:

- Dust reduction during the injection process
- Bundled material flow
- Less material waste
- Easy and quick installation

Technical data:

- Dimensions (LxW): approx. 130x110mm
- Weight: approx. 235g
- Hose connection: NW50 (2")
- Water pipe connection: NW12
- Number of nozzles: 1
- Pressure range: <10bar
- Pre-installed spray nozzle: FSE: Axial full cone nozzle 1.6l/min at 2bar
- Water quantity: approx. 1.21l/min at 1bar, approx. 3.05l/min at 10bar
- Material: plastic

Comments:

- If desired, the hose connection can be equipped with another plug system or a hose nozzle
- In combination with a solenoid valve, the water flow can be stopped when the machine is switched off
- Inline humidification is possible in combination with a diaphragm pump or a water tap connection.

Optional accessories:

- FSE: Axial full cone nozzle 2.0 l/min (prod. No. 3539)
- FSE: Axial full cone nozzle 1,25 l/min (Art.-Nr. 3540)
- Hose connector turnable SDV50 (2") (prod. no. 6522)
- Hose connector NW50 (2") stainless steel (prod. no. 235)
- Reducer tube connector NW63>50 (2½">2") Aluminium (prod. no. 1264)
- Reducer tube connector NW75>50 (3">2") Aluminium (prod. no. 1262)
- FSE: Diaphragm pump p=20bar (prod. no. 206)
- Magnetic valve, 2/2-ways, G 1/4" (prod. no. 8334)
- FSE: One-hand connector 1/4" (prod. no. 577)
- FSE: One-hand coupling 1/4" (prod. no. 576)
- FSE: High pressure hose, suitable for high pressure pumping system, available in lengths 15/30/50m (prod. no. 715/5054/5055)

FSE: Spray head, Inline- type III NW63 (2½") - set complete**Art. 10714**

Klick me! (Image similar)

In-line spray head for wet spray applications

Suitable for/as:

- Open inflation with the addition of water
- Hose connector with humidification function (inline humidifier), for dust reduction during the blow-in process (De-Dust)

Advantages:- Dust reduction during the injection process- Bundled material flow- Less material waste- Easy and quick installation

Technical data:

- Dimensions (LxW): approx. 130x110mm
- Weight: approx. 235g - Hose connection: NW63 (2½")
- Water pipe connection: NW12 - Number of nozzles: 1
- Pressure range: <10bar
- Pre-installed spray nozzle: FSE: Axial full cone nozzle 1.6l/min at 2bar
- Water quantity: approx. 1.21l/min at 1bar, approx. 3.05l/min at 10bar - Material: aluminum

Comments:

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09 Spare parts Sealings, filters, wering parts, etc.

- If desired, the hose connection can be equipped with another plug system or a hose nozzle
- In combination with a solenoid valve, the water flow can be stopped when the machine is switched off
- Inline humidification is possible in combination with a diaphragm pump or a water tap connection.

Optional accessories:

- FSE: Axial full cone nozzle 2.0 l/min (prod. No. 3539)
- FSE: Axial full cone nozzle 1,25 l/min (Art.-Nr. 3540)
- Hose connector turnable SDV63 (2½") (prod. no. 6896)
- Hose connector NW63 (2½"), stainless steel (prod. no. 236)
- Reducer tube connector NW 75>63 (aluminium) (prod. no. 1261)
- FSE: Diaphragm pump p=20bar (prod. no. 206)
- FSE: High pressure hose, suitable for high pressure pumping system, available in lengths 15/30/50m (prod. no. 715/5054/5055)
- Magnetic valve, 2/2-ways, G 1/4" (prod. no. 8334)
- FSE: One-hand connector 1/4" (prod. no. 577)
- FSE: One-hand coupling 1/4" (prod. no. 576)

FSE: Spray head, Inline-type III NW63 (2½") - set complete**Art. 7841**

Klick me! (Image similar)

In-line spray head for wet spray applications

Suitable for/as:

- Open inflation with the addition of water
- Hose connector with humidification function (inline humidifier), for dust reduction during the blow-in process (De-Dust)

Advantages:- Dust reduction during the injection process- Bundled material flow- Less material waste- Easy and quick installation

Technical data:

- Dimensions (LxW): approx. 130x110mm
- Weight: approx. 235g - Hose connection: NW63 (2½")
- Water pipe connection: NW12 - Number of nozzles: 1
- Pressure range: <10bar
- Pre-installed spray nozzle: FSE: Axial full cone nozzle 1.6l/min at 2bar
- Water quantity: approx. 1.21l/min at 1bar, approx. 3.05l/min at 10bar- Material: aluminum

Comments:

- If desired, the hose connection can be equipped with another plug system or a hose nozzle
- In combination with a solenoid valve, the water flow can be stopped when the machine is switched off
- Inline humidification is possible in combination with a diaphragm pump or a water tap connection.

Optional accessories:

- FSE: Axial full cone nozzle 2.0 l/min (prod. No. 3539)
- FSE: Axial full cone nozzle 1,25 l/min (Art.-Nr. 3540)
- Hose connector turnable SDV63 (2½") (prod. no. 6896)
- Hose connector NW63 (2½"), stainless steel (prod. no. 236)
- Reducer tube connector NW 75>63 (aluminium) (prod. no. 1261)
- FSE: Diaphragm pump p=20bar (prod. no. 206)
- FSE: High pressure hose, suitable for high pressure pumping system, available in lengths 15/30/50m (prod. no. 715/5054/5055)
- Magnetic valve, 2/2-ways, G 1/4" (prod. no. 8334)
- FSE: One-hand connector 1/4" (prod. no. 577)
- FSE: One-hand coupling 1/4" (prod. no. 576)

FSE: Spray head, Inline-type III NW75 - set complete**Art. 7842**

Klick me! (Image similar)

In-line spray head for wet spray applications

Suitable for/as:

- Open inflation with the addition of water
- Hose connector with humidification function (inline humidifier), for dust reduction during the blow-in process (De-Dust)

Advantages:

- Dust reduction during the injection process
- Bundled material flow
- Less material waste
- Easy and quick installation

Technical data:

- Dimensions (LxW): approx. 130x110mm
- Weight: approx. 235g
- Hose connection: NW75 (3")
- Water pipe connection: NW12
- Number of nozzles: 1
- Pressure range: <10bar
- Pre-installed spray nozzle: FSE: Axial full cone nozzle 1.6l/min at 2bar
- Water quantity: approx. 1.21l/min at 1bar, approx. 3.05l/min at 10bar
- Material: aluminum

Comments:

- If desired, the hose connection can be equipped with another plug system or a hose nozzle

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		<ul style="list-style-type: none"> - In combination with a solenoid valve, the water flow can be stopped when the machine is switched off - Inline humidification is possible in combination with a diaphragm pump or a water tap connection. <p>Optional accessories:</p> <ul style="list-style-type: none"> - FSE: Axial full cone nozzle 2.0 l/min (prod. No. 3539) - FSE: Axial full cone nozzle 1,25 l/min (Art.-Nr. 3540) - Rotary hose connector SDV75 (prod. no. 4451) - Hose connector NW75 (3"), stainless steel (prod. no. 033) - Reducer tube connector NW 102>75 (aluminium) (prod. no. 6642) - Reducer tube connector NW 90>75 (aluminium) (prod. no. 1971) - Reducer tube connector NW 75>63 (aluminium) (prod. no. 1261) - Reducer tube connector NW 75>50 (aluminium) (prod. no. 1262) - FSE: Diaphragm pump p=20bar (prod. no. 206) - Magnetic valve, 2/2-ways, G 1/4" (prod. no. 8334) - FSE: One-hand connector 1/4" (prod. no. 577) - FSE: One-hand coupling 1/4" (prod. no. 576) - FSE: High pressure hose, suitable for high pressure pumping system, available in lengths 15/30/50m (prod. no. 715/5054/5055)

SW13 combination spanner with ratchet**Art. 10346**

SW13



Klick me! (Image similar)

glass fibre rod x-floc: D=8, L=6m**Art. 9938**

Klick me! (Image similar)

Used to stiffen injection and transport hoses.
 Extendable by means of optional swivel connectors with threaded connection.
 Attachment to the hose is done e.g. with adhesive tape or Velcro tape (Art. No. 3177) at intervals of approx. 25-50 cm.

Diameter: 8mm
 Length: 6m (shorter length available on request)

options:
 - Connector_M8_BM (screw thread / male) (Art.-no. 6431)
 - Connector_M8_BW (threaded hole / female) (Art.-No. 6432)

+++ from 3 pieces: 10% discount ++++

glass fibre rod x-floc: D=8, L=6m**Art. 10148**

Klick me! (Image similar)

Used to stiffen injection and transport hoses.
 Extendable by means of optional swivel connectors with threaded connection.
 Attachment to the hose is done e.g. with adhesive tape or Velcro tape (Art. No. 3177) at intervals of approx. 25-50 cm.

Diameter: 8mm
 Length: 6m (shorter length available on request)

options:
 - Connector_M8_BM (screw thread / male) (Art.-no. 6431)
 - Connector_M8_BW (threaded hole / female) (Art.-No. 6432)

+++ from 3 pieces: 10% discount ++++

Hammer drill SDS+ 15mm**Art. 11218**

Klick me! (Image similar)

Ideally suited for working on mortar joints and very hard stone.

Technical data:
 Diameter: 15 mm
 Total length: 260
 Working length: 200 mm
 Shank: SDS Plus

Hammer drill SDS+ 16mm**Art. 11219**

Klick me! (Image similar)

Ideally suited for working on mortar joints and very hard stone.

Technical data:
 Diameter: 16 mm
 Total length: 260
 Working length: 200 mm
 Shank: SDS Plus

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09 Spare parts Sealings, filters, wering parts, etc.**Hammer drill SDS+ 18mm****Art. 11111**

Ideally suited for working on mortar joints and very hard stone.

Technical data:
 Diameter: 18 mm
 Total length: 210
 Working length: 150 mm
 Shank: SDS Plus

Klick me! (Image similar)

Hammer drill SDS+ 19mm**Art. 11220**

Ideally suited for working on mortar joints and very hard stone.

Technical data:
 Diameter: 19 mm
 Total length: 310
 Working length: 250 mm
 Shank: SDS Plus

Klick me! (Image similar)

Hammer drill SDS+ 21mm**Art. 11113**

Ideally suited for working on mortar joints and very hard stone.

Technical data:
 Diameter: 21 mm
 Total length: 260
 Working length: 200 mm
 Shank: SDS Plus

Klick me! (Image similar)

Hammer drill SDS+ 22mm**Art. 11221**

Ideally suited for working on mortar joints and very hard stone.

Technical data:
 Diameter: 22 mm
 Total length: 260
 Working length: 200 mm
 Shank: SDS Plus

Klick me! (Image similar)

Hammer drill SDS+ 24mm**Art. 11114**

Ideally suited for working on mortar joints and very hard stone.

Technical data:
 Diameter: 24 mm
 Total length: 260
 Working length: 200 mm
 Shank: SDS Plus

Klick me! (Image similar)

Hammer drill SDS+ 25mm**Art. 11222**

Ideally suited for working on mortar joints and very hard stone.

Technical data:
 Diameter: 25 mm
 Total length: 260
 Working length: 200 mm
 Shank: SDS Plus

Klick me! (Image similar)

KFB 30-8p - Hand-held control**Art. 7852**

Hand-held control for the insulation blowing machines M99-Standard and -DS from series G.

With toggle switch for:
 - Air ON
 - Air and material ON
 - OFF (center position)

Klick me! (Image similar)

Including connection cable (approx. L=0,5m) and plug (Contact 8+1)

Optional accessories:
 - Extension cable L=25m (prod. no. 2015)
 - Extension cable L=50m (prod. no. 2166)

KFB 3-8p - Hand-held control**Art. 7851**

Hand-held control for the insulation blowing machines M99-Standard and -DS from series G.

With toggle switch for:
 - Air ON
 - Air and material ON
 - OFF (center position)

Klick me! (Image similar)

Including connection cable (approx. L=0,5m) and plug (Contact 8+1)

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09**Spare parts****Sealings, filters, wering parts, etc.**

Optional accessories:

- Extension cable L=25m (prod. no. 2015)
- Extension cable L=50m (prod. no. 2166)

KFB 3-8p - Hand-held control**Art. 11647**

Klick me! (Image similar)

Hand-held control for the insulation blowing machines M99-Standard and -DS from series G.

With toggle switch for:

- Air ON
- Air and material ON
- OFF (center position)

Including connection cable (approx. L=0,5m) and plug (Contact 8+1)

Optional accessories:

- Extension cable L=25m (prod. no. 2015)
- Extension cable L=50m (prod. no. 2166)

Velcro return fastener L=350mm, black**Art. 10950**

Klick me! (Image similar)

Velcro back closure strap with eyelet, hook and loop strap welded on the same side (front strap)

Use as lashing strap for fastening, bundling, cable tying

Field of application:

- Fastening of remote control FFB / KFB
- Tying/bundling of cables

Advantages and limitations:

- easily removable fastening
- stable metal eyelet
- good lashing properties

Technical data:

Total length: 350mm
 length loop strap: 310mm
 Length hook strap: 40mm
 width: 20mm
 Eyelet: metal
 colour: black

Scope of delivery:

- 1x Velcro back fastening strap with metal eyelet.

Hints:

- 2 pieces of Velcro tape are required per handbag part.
- 4 slots (dim. Approx. L x W = 23 x 3 mm) in the housing flaps of the KFB2000 or FFB2000 or FFB2000-Pro handset are required for fastening the Velcro strips. Slots that are not present can be reworked by milling.
- A belt or strap with a width of approx. 25-30 mm is required for fastening.

Carbon brushes for radial blower**Art. 4233**

Klick me! (Image similar)

Spare carbon brushes suitable for:

- Centrifugal fan 1,8kW (prod.-No. 4813)
- Centrifugal fan 1,45kW (prod.-No. 3848)

Alternative/Note:

- It is recommended to replace both carbon brushes at once. Required carbon brush:
- Carbon brush for centrifugal fan with safety shutdown function (prod.-No. 9672)

Carbon brush for radial blower with safety shutdown function**Art. 9672**

Klick me! (Image similar)

Carbon brush with safety shutdown function suitable for:

- Centrifugal fan 1,8kW (prod.-No. 4813)
- Centrifugal fan 1,45kW (prod.-No. 3848)

Alternative/Note:

- It is recommended to replace both carbon brushes at once. Required carbon brush:
- Carbon brush for centrifugal fan (prod.-No. 4233)

Lochsäge 106mm für Kunststoff, Holz und Holzwerkstoffe**Art. 9288**

Klick me! (Image similar)

English version in preparation: passend für

- DDE: Lochsäge 106mm mit Schnellwechselaufnahme für Holzwerkstoffe, Kunststoffe (Art.-Nr. 9290)

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09 Spare parts

Sealings, filters, wering parts, etc.

Lochsäge 85mm für Kunststoff, Holz und Holzwerkstoffe

Art. 9287

English version in preparation: passend für

- DDE: Lochsäge 85mm mit Schnellwechselaufnahme für Holzwerkstoffe, Kunststoffe (Art.-Nr. 9289)



Klick me! (Image similar)

Air filter mat L=290 B=225 made from viledon

Art. 3450

Minifant: suction hood series E complete and compact amplifier station 2,8kW



Klick me! (Image similar)

Air filter pad (288x288x25) EM3XX, EM4XX, EM5XX, VSXX

Art. 4653

Air filter element suitable for all machine types of X-Floc equipped with the "ALF".

Special filter foam s = 25mm

Dimensions: about 288x288mm



Klick me! (Image similar)

Suitability for the following machine types:

- EM3XX
- EM4XX
- EM5XX
- VS28 (from C-series VS28C approx. From 07/2015)
- VS33

Viledon air filter mat, L=430 B=210

Art. 3500



Klick me! (Image similar)

Air filter cell 323 x 290 x 24 mm, s=1" (M95)

Art. 1642

- Filter cell with pleated, single layer filter material
- Cardboard spacer for setting the pleat spacing.
- Sturdy cardboard frame



Klick me! (Image similar)

Measurement equipment: NW100 density testing set with case and hole saw

Art. 8383

Density test set for checking the local installation density of loose fill insulation material such as cellulose, wood fibre, mineral fibre and other insulation materials.

Including operating instructions on the scale and operating manual.

Technical data:

Measuring range insulation thickness: 40-470mm (or 1½"-18½").

Measuring range installation density: 20-155kg/m³ (or 1.6-6.4lb/ft³).



Klick me! (Image similar)

Consists of:

- Corrosion-resistant graduated tube with special serrated bevel D=100, L= approx. 500mm and printed scale and operating instructions in iso-unit system (deviating version with Imperial units possible), own weight approx. 1.8kg or 4lbs.
- Scale, electronic compact scale (item no. 2341), measuring range up to 2.2kg resp. 4.85lbs
- Case for density test set, without contents (prod. No. 8243)
- DDE: Hole saw with ejection system complete D= 106,5 mm (prod. No. 4966)

Notes on determining the average installation density related to an element:

A sufficient number of local installation densities with subsequent averaging is required to determine an average installation density. If the local measurements deviate only slightly from each other, fewer samples are already sufficient for averaging, while for large deviations correspondingly more samples must be selected.

Note: The scales show internationally valid SI units: [g], [cm] and [kg/m³]

Scales with Anglo-American units can be supplied on request: [g], [inch] and [lb/ft³].

Please specify when ordering.

Options:

- Piercing tube with special serrated edge D=100, L= approx. 800mm (on request, prod. No. 6885, not compatible with case)
- Scale: Net adaptor for electronic compact weighing (prod. No. 2342)

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09 Spare parts**Sealings, filters, wering parts, etc.****Measuring equipment: NW100 density testing set with case and mains adaptor.****Art. 5347**

Klick me! (Image similar)

Density testing set for checking the installation density of loose insulation materials, e.g. cellulose, wood fibre, mineral insulation etc.

Technical details (based on cellulose insulation):

Measurement range: 40-400mm

Density range: 25-90 kg/cbm

Consists of:

- Sharp edged pipe, L= 500mm with scale
- Scales, up to 2200gg, battery operation (2 AA batteries included)
- Matching case with foam insert
- Mains adaptor for scales

Note: The scales show internationally valid SI units: [g], [cm] and [kg/m³]

Scales with Anglo-American units can be supplied on request: [g], [inch] and [lb/ft³].

Please specify when ordering.

Options:

- Various hole saws, please inquire if interested
- Prolonged pipe, L= approx. 80cm (on request, prod. No. 6885, not with case)

Measuring equipment: Endoscope camera for cavity wall film inspection (2 lenses)**Art. 11054**

Klick me! (Image similar)

Endoscope for hollow film inspection with front and side camera. Switch for selecting the camera integrated in the cable. Sound recording via built-in microphone. Easy operation, several menu languages can be selected.

Technical data:

- Two lens endoscope camera
- Resolution: 1080P HD
- Light source: LED light,
- Screen: 4.5 inch colour screen
- Protection class camera probe: IP67
- Protection class monitor unit: IP45
- Memory: 32GB microSD card
- Battery: 2,500mAh rechargeable
- Running time at full battery: Up to 4 hours
- Operating temperature: 0 - 42°C

Applications:

The endoscope is especially suitable for the interior control and inspection of:

- Insulation in hollow masonry
- Beam and timber constructions
- building renovation
- Heating and ventilation systems
- sanitary installations
- castings
- Rock drilling

Alternative:

- Measuring equipment: Endoscope camera for cavity wall film inspection (3 lenses) (prod. No. 11136)

Measuring equipment: Endoscope camera for cavity wall film inspection (3 lenses)**Art. 11136**

Klick me! (Image similar)

Endoscope for hollow film inspection with a front and two side cameras. Switch for selecting the camera integrated in the cable. Sound recording via built-in microphone. Easy operation, several menu languages can be selected.

Technical data:

- Three lens endoscope camera
- Resolution: 1080P HD
- Light source: LED light,
- Screen: 4.5 inch colour screen
- Protection class camera probe: IP67
- Protection class monitor unit: IP45
- Memory: 32GB microSD card
- Battery: 2,500mAh rechargeable
- Running time at full battery: Up to 4 hours
- Operating temperature: 0 - 42°C

Applications:

The endoscope is especially suitable for the interior control and inspection of:

- Insulation in hollow masonry
- Beam and timber constructions
- building renovation
- Heating and ventilation systems
- sanitary installations

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- castings
- Rock drilling

Alternative:

- Measuring equipment: Endoscope camera for cavity wall film inspection (2 lenses) (prod. No. 11054)

Measurement Equipment: Borescope with LED lightning**Art. 8519**

Klick me! (Image similar)

The new, inflexible, wireless and innovative borescope provides an excellent image quality, super bright lightning, compact design as well as a fully wireless operation at a favourable price without any follow-up costs (spare bulbs). An extremely bright miniature light-emitting diode (approx. 200% higher lighting performance than the 6V halogen bulb on the previous model) makes this borescope perfect for applications in the building redevelopment sector. The power supply is provided by an integrated lithium-ion battery. With this battery, the borescope can be operated wirelessly and without an external power supply. An improved optical system and a fix-focus-ocular delivers brilliant pictures with a depth of field of approx. 2mm to infinity. A picture- or video documentation is optionally available. The particularly robust design ensures a reliable operation of the borescope, even in daily operation under harsh conditions.

Characteristics/Technical Data:

- Effective length 310mm, total length 440mm, probe diameter 9mm
- Viewing direction 90°, lateral, angle of view approx. 60°
- Rotating borescope probe
- Compact design, weight with integrated battery only 230g
- Extremely bright, white light with integrated high-power LED, adjustable brightness, low heat build-up, long LED lifetime, no follow-up costs by replacing bulbs
- Battery operation with built-in lithium-ion battery (5V/2A), no disturbing connection cable, long operating time (charging cable inclusive)

Applications:

The borescope is especially suitable for internal control and inspection of

- Insulation in cavity walls of masonry
- Beam- and wooden constructions
- Building redevelopment
- Heating- and ventilation systems
- Sanitary facilities
- Castings
- Rock drilling
- Covert cables and wiring

Optional accessories:

- Digital camera
- Adapter for camera (prod. no. 5984)

Measuring devices: Test element 0.015 m³ according to EN 14064**Art. 5697**

Klick me! (Image similar)

Test element for testing the installation density when blowing-in mineral fibre core insulation according to EN 14064-2 annex C.

Inner volume: approx. 0,015m³
 Dimensions (outside): 570x530x109
 Blow-in opening: Ø25mm
 Material: Multiplex / metal
 Weight: approx. 8kg

Advantages:

- Practical box catches for quick emptying
- Firm stand
- Handle for an easy handling and weighing

Options / typical accessories:

- DD: Rotary nozzle 50>24mm / 45° outlet (increased wear-resistance) (prod. No. 6391)
- Injection nozzle NW50>24 (prod. No. 3961)
- Injection nozzle NW50>24 AV (with shut-off valve) (prod. No. 5692)
- Scale, digital- for testing basket (prod. No. 4544)

Measurement device: 0.1 m³ testing unit - Fixed lid**Art. 8851**

Klick me! (Image similar)

Sturdy and airtight testing unit with removable door and plexiglass for the following applications:

- Test / demonstration of dry injection with a hose (vertical/ angled/ horizontal).
- Test / demonstration of dry injection with a rotary nozzle through a drill hole (vertical).
- Test / demonstration of open blowing.
- Test / demonstration of damp-spraying.
- Test / demonstration lance injection (lance required).

Test volume: 0.10 cbm

Dimensions: W x D x H = approx. 550 x 334 x 906 mm

Unladen weight with doors: approx. 26 kg

With fixed (not removable) lid.

Recommended accessories:

- Measurement device: Scales for testing unit 0,1 m³ (prod. No. 9392)
- Cylinder saws D=106.5 (product no. 1506)
- Thickness gauge (product no. 1831)

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09 Spare parts Sealings, filters, wering parts, etc.

- Density testing set (product no. 3770, 4348, 2348, 4349)
- Sealing sponge (product no. 292)
- Injection bezel (Art.-Nr. 8787)

Shipping information:

- When shipping with the parcel service additional costs accrue for the packaging.

Vibration Test Bench acc. to EN 15101-1**Art. 6342**

Klick me! (Image similar)

Testing apparatus for dry injected insulation materials

- Settlement determinations of
 - Dry injected cellulose insulation materials (LFCI) and other blowing insulation materials
 - Blowing insulation in walls, roofs and roof pitches
- According to the standard of EN 15101-1
- Compatibly test element (specimen box) 0.345/0.144 m³ on request

The Vibration Test Bench serves for settlement determinations under vibrations. Thermal insulations of walls, roofs and roof pitches which have been blown-in with cellulose fibre or other insulation blowing materials can be checked. This testing device corresponds to the guidelines of standard EN 15101-1.

The Vibration Test Bench has a sturdy steel frame and a powder-coated surface. The locating plate can be tilt over continuous from 0° to 90°. Consequently the settlement of thermal insulations in walls, roofs and roof pitches can be checked. A precise adjustment of the incline is possible with the angular arc gauge.

Vibrations up to 5220 Hz can be regulated. This makes tests possible which are more difficult than the most demanding realistic conditions. The device is dimensioned for lifelike specimen boxes. The particular test element can be fixed with lashing straps on the locating plate. A g stand fixes the test element in the vertical axis.

This testing apparatus has been developed in a long lasting collaboration with the Ludwig Maximilians University Munich.

Technical data:

- Dimensions (L × W × H1/H2): approx. 1200 × 1300 × 1090/1760 mm
- Specimen box (W max./H max.): 1000/3000 mm
- Surface: Powder-coated RAL7035 (light grey)
- Swivel range: 0-90°
- Frequency max.: 87 Hz
- Vibrations max.: 5220 Hz
- Power rating: approx. 0.9 kW
- Power supply: 230 V / 50 Hz
- Unladen weight: approx. 270 kg

Options:

- Measuring device: Test element vibration test bench according to DIN-EN 15101-1 (Art.-Nr. 6617)
- Measurement device: 0.1 m³ testing unit (Art.-Nr. 3946)
- Measurement equipment: NW100 density testing set (Art.-Nr. 3770)

Messgeräte: Tiefenmessnadel**Art. 2844**

Klick me! (Image similar)

English version in preparation: Nadel zur Dickenmessung einer Einblasdämmung oder Feuchtsprühdämmung.

Techn. Daten:

- Länge ca. 25cm
- inkl. Skala
- mit Spitze zum einfachen einstecken
- Mat.: Rostfreie Legierung

Measurement device: Scales for testing unit 0.1 m³**Art. 9392**

Klick me! (Image similar)

Sturdy digital scales suitable for checking the installation density in the testing unit.

The dimensions of the weighing plate (safety glass) allow settling and weighing of the testing unit. Maximum weighing range 150kg, graduation 100g. Supplied with coin cell, including automatic shutdown and automatic zero position.

Particularly high stability through flat design.

Recommended accessories for:

- Measurement device: 0.1 m³ testing unit (prod. No. 3946)
- Measurement device: 0.1 m³ testing unit - Fixed lid (prod. No. 8851)

Empfohlenes Zubehör für:

- Messgeräte: Prüfelement 0,1 m³ (Art.-Nr. 3946)
- Messgeräte: Prüfelement 0,1 m³ - Fester Deckel (Art.-Nr. 8851)

Measuring device: scale, analogue (22kg) with tape measure**Art. 5983**

Klick me! (Image similar)

Digital scale for measuring the testing baskets or testing element.

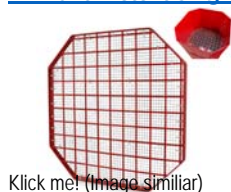
Features:

- Measuring range from 0-22 kg
- With round display including 1 m measuring tape

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09 Spare parts Sealings, filters, wering parts, etc.**Minifant: Detention grid for bulk materials****Art. 8148**

Klick me! (Image similar)

Detention grid for installation in the filling hopper of the X-Floc insulation blowing machine Minifant M99

By using the detention grid, insulation material particles with a diameter >10mm falling in the machine's hopper bottom area and therefore into the conditioning unit and the rotary airlock can be prevented.

In the powder-coated grid (hole size = 50x50mm) with surrounding robust metal frame, a weld grid with a hole size of 10x10mm is inserted.

Application:

Processing of loose bulk materials, e.g. EPS- or mineral granules

Advantage:

Due to the two-layer structure, the hole size can be easily adjusted to the application's requirements and may vary "infinitely" between 10x10 and 50x50mm.

Technical details:

Material (grid/frame): steel

Surface (grid/frame): powder coating, red (RAL3000)

Material (grid shelf): steel

Surface (grid shelf): galvanised

Dimensions: approx. 0.53x0.53m

Weight: approx. 2.98kg

Scope of delivery:

Detention grid, mounted ready for use

Minifant: Conversion kit for converting D series machines to E series.**Art. 3542**

Klick me! (Image similar)

Kit for converting M99D minifants (supplied up to November 2008) to M99E models.

Contains all the necessary components such as a suction hood, a filter, a blower console, a hose, a second check valve, hose clamps and small parts.

Important NOTE:

- The conversion kit contains as standard a variant of the fan console with edging (Part No. 3312 former version), which is compatible with machines equipped with two small fans.

- A different version of the blower console (Part No. 3312) is required if the machine is equipped with a large (Ametek) blower and a small blower.

Therefore, please inform us when ordering the present fan configuration!

Minifant: Conversion kit for converting D series machines to F series.**Art. 6191**

Klick me! (Image similar)

Kit for converting M99D minifants (supplied up to November 2008) to M99F models.

Contains all the necessary components such as a suction hood, a filter, a blower console, a hose, a second check valve, hose clamps and small parts.

Module amplifier VS40: connection cable 3.6m**Art. 10962**

Klick me! (Image similar)

Connection cable for connecting a module amplifier VS40 with a blowing plate EP800.

Suitable for:

- Factory-fill: EP800-NW90-Blowing Panel for industrial element filling (from year of manufacture 05/2022)

- VS: Amplifier station module amplifier VS40 (from year of manufacture 05/2022)

Technical data:

Length: 3.6 m

Cable cross-section: 10x 0.5 qmm

Connection 1: plug Contact 7+1

Connection 2: coupler Contact 7+1

230V power adapter, 25m reel with 3x earthed socket**Art. 9210**

Klick me! (Image similar)

25m coil on a hard rubber reel with sturdy double pipe frame, cable: H07RN-F 3G2.5

One end: 230V two pin earthed plug, 3 pole, 16A

Other end: 3 x earthed socket, 3 pole, 16A

Mains adapter 400V / 16A > 400V / 32A**Art. 5898**

Klick me! (Image similar)

- Housing made of high-strength special plastic

- Splash proof

- Versatile, space-saving, universal, mobile, robust and cheap

- Input: 1 CEE plug 16A

- Output: 1 CEE socket 16A + 1x -32A

- 2 Protective contact sockets 230V

- Suitable for construction sites: protection class IP 44

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09 Spare parts Sealings, filters, wering parts, etc.

Note:

- The CEE plug cannot be connected directly to a feeding point (protruding nose). For connection, an extension cable is required (e.g. mains adapter 400V/16A, 10m ring, CEE prod. no. 348).

Mains adapter test plug, 400V/32A**Art. 9150**

Klick me! (Image similar)

CEE test plug for checking a three-phase current supply.

Wiring errors and errors in the rotating field, as well as the lack of a phase at a CEE socket, can be detected easily and safely with this test plug.

The plug's housing is made of impact-resistant polyamide, the plug itself is splash-proof.

Technical details:

- Suitable for: 400V/32A
- Protective earthing position: 6h
- Protection class: IP44
- Test mark/test: CE, IEC 60309

Net adaptor 400V/230V, 25m cable reel - Pro**Art. 5805**

Klick me! (Image similar)

CEE-Pro-safety cable reel 400V, made from robust, shatterproof special plastic, shock-absorbing, massive, plastic-coated double-tube frames, ergonomic shaped handle, with 3-pin VDE-thermal circuit break and automatic function unit, 2 grounding socket 230V with safe hinged lid and "hammer symbol", 1 CEE-socket 5-pin 400V 16A. Mechanically, extremely resilient industrial piping, abrasion-resistant, oil-resistant. In visible orange colour. Cable H07BQ-F 5G2,5.

Net adaptor 400V/230V, 25m cable reel - Pro**Art. 8332**

Klick me! (Image similar)

CEE-Pro-safety cable reel 400V, made from robust, shatterproof special plastic, shock-absorbing, massive, plastic-coated double-tube frames, ergonomic shaped handle, with 3-pin VDE-thermal circuit break and automatic function unit, 2 grounding socket 230V with safe hinged lid and "hammer symbol", 1 CEE-socket 5-pin 400V 16A. Mechanically, extremely resilient industrial piping, abrasion-resistant, oil-resistant. In visible orange colour. Cable H07BQ-F 5G2,5.

Net adaptor 400V/230V, 30m cable reel - Pro**Art. 5806**

Klick me! (Image similar)

CEE-Pro-safety cable reel 400V, made from robust, shatterproof special plastic, shock-absorbing, massive, plastic-coated double-tube frames, ergonomic shaped handle, with 3-pin VDE-thermal circuit break and automatic function unit, 2 grounding socket 230V with safe hinged lid and "hammer symbol", 1 CEE-socket 5-pin 400V 16A. Mechanically, extremely resilient industrial piping, abrasion-resistant, oil-resistant. In visible orange colour. Cable H07BQ-F 5G2,5.

Net adaptor 400V/230V, 40m cable reel - Pro**Art. 5807**

Klick me! (Image similar)

CEE-Pro-safety cable reel 400V, made from robust, shatterproof special plastic, shock-absorbing, massive, plastic-coated double-tube frames, ergonomic shaped handle, with 3-pin VDE-thermal circuit break and automatic function unit, 2 grounding socket 230V with safe hinged lid and "hammer symbol", 1 CEE-socket 5-pin 400V 16A. Mechanically, extremely resilient industrial piping, abrasion-resistant, oil-resistant. In visible orange colour. Cable H07BQ-F 5G1,5.

400V power adapter, 10m coil, CEE**Art. 6588**

Klick me! (Image similar)

10m as coil, H07RN-F 5G2,5
One end: CEE-plug, 5 pole, red, 132A
Other end: CEE-coupling, 5 pole, red, 32A

400V power adapter, 10m coil, CEE**Art. 11916**

Klick me! (Image similar)

10m as coil, H07RN-F 5G2,5
One end: CEE-plug, 5 pole, red, 132A
Other end: CEE-coupling, 5 pole, red, 32A

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09 Spare parts Sealings, filters, wering parts, etc.**Mains adapter test plug, 400V/32A****Art. 9114**

Klick me! (Image similair)

CEE test plug for checking a three-phase current supply.

Wiring errors and errors in the rotating field, as well as the lack of a phase at a CEE socket, can be detected easily and safely with this test plug.

The plug's housing is made of impact-resistant polyamide, the plug itself is splash-proof.

Technical details:

- Suitable for: 400V/32A
- Protective earthing position: 6h
- Protection class: IP44
- Test mark/test: CE, IEC 60309

Mains adapter 400V/32A>400V/16A, with connection cable 1.5m**Art. 9115**

Klick me! (Image similair)

Small current distributor for connecting a 400V/16A appliance to a 400V/32A connection. Incl. fuse C16A and connection cable 1.5m.

Technical data:

- Input: 1 CEE plug 400V, 32A, 5-pole with 1.5m H07RN-F 5G2.5 heavy rubber hose cable
- Output: 1 CEE socket 400 V / 16 A, 5-pin
- Protection class: IP44
- Fuse: 1 x LS C16 A, 3-pole, can be switched on again. loadable up to 11kW

Mains adapter test plug, 400V/16A**Art. 8849**

Klick me! (Image similair)

CEE test plug for checking a three-phase connection.

Reliably detects the following states:

- Phase sequence correct or incorrect
- One phase missing
- Earth or neutral conductor not connected
- Earth or neutral connected to phase

Rotary field and wiring faults, as well as the absence of a phase of a CEE socket, can be detected very easily and safely with this test plug.

The plug housing is made of impact-resistant polyamide, the plug itself is splash-proof.

Technical data:

- Suitable for: 400V/16A
- Protective conductor position: 6h
- Protection class: IP44
- Approval marks/testing: CE, IEC 60309

Mains adapter test plug, 400V/32A**Art. 8850**

Klick me! (Image similair)

CEE test plug for checking a three-phase current supply.

Wiring errors and errors in the rotating field, as well as the lack of a phase at a CEE socket, can be detected easily and safely with this test plug.

The plug's housing is made of impact-resistant polyamide, the plug itself is splash-proof.

Technical details:

- Suitable for: 400V/32A
- Protective earthing position: 6h
- Protection class: IP44
- Test mark/test: CE, IEC 60309

400V CEE / 3x 230V earthed power distribution cube**Art. 5993**

Klick me! (Image similair)

Inlet: CEE plug (16A 400V 5 pole)

Outlet: 3x grounding sockets (16A 230V 3 pole).

Mains adapter distributor 400V-CEE>1x 400V-CEE, 3x 230V-Schuko (with connection cable)**Art. 9482**

Klick me! (Image similair)

- Housing made of highly break-resistant special plastic

- Splash-proof

- Versatile, space-saving, universal, mobile, robust and inexpensive

- Input: 1x CEE plug 400V/16A, approx. 11.0kW

- Output: 3x Schuko socket 230V/16A + 1x CEE socket 400V/16A

- Connection cable: 2.0m H07RN-F 5G2.5

- Suitable for construction sites: protection class IP 44

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09 Spare parts

Sealings, filters, wering parts, etc.

Mains adapter distributor 400V-CEE>3x 230V-Schuko (with connection cable)

Art. 9481



Klick me! (Image similariar)

- Housing made of highly break-resistant special plastic
- Splash-proof
- Versatile, space-saving, universal, mobile, robust and inexpensive
- Input: 1x CEE plug 400V/16A, approx. 11.0kW
- Output: 3x Schuko socket 230V/16A
- Connection cable: 1.5m H07RN-F 5G1.5
- Suitable for construction sites: protection class IP 44

Mains adapter Distributor socket strip 400V / 32A > 2x400V / 16A

Art. 7273



Klick me! (Image similariar)

- Input: 1 CEE plug 32A - 5pole
Output: 2 CEE sockets 16A - 5pole with hinged cover
2 x circuit breaker C16A, 3-pole, 400V/32A/max. 22kW
Protection class IP 44
Cable H07RN-F 5G 6 mm², length approx. 2m
- Optional / recommended accessories:
- Mains adapter 400V/32A, 10m ring, CEE (art. no. 6588, supply side)
 - Mains adapter 400V/16A, 10m ring, CEE (art. no. 348)
 - Mains adapter 400V, 25m ring (art. no. 2492)

Project planning or design construction (pro rata costs)

Art. 8956



Klick me! (Image similariar)

- Service includes the following activities:
- Clarification of the task and requirements
 - Development of a solution concept
 - Design construction incl. main dimensions and performance data

Note: The provision of information required for the clarification of the task or the requirements shall be made in written form upon request.

The proportional costs refer to the respective task.

Y-Piece NW63/63>63 (2½"/2½">2½") stainless steel

Art. 9382



Klick me! (Image similariar)

Lateral pipe fitting made of stainless steel with approx. 30 ° branch angle. Typical use for coupling an air amplifier into a conveyor line. The use of thin-walled pipe material virtually eliminates material stoppers.

- Dimensions:
- Straight tube: NW63 (2½")
Branch: NW63 (2½")

- Options:
- Hose clamp NW63 (2½") (prod. no. 176)
 - Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)

Hose kit "Cavity wall insulation NW50. L=40m" with injection nozzle

Art. 5873



Klick me! (Image similariar)

- Consisting of:
- 2 pieces: NW50 injection hose (2'), smooth, L=20m (Art.-Nr. 329)
 - 1 pieces: NW50 stainless steel hose connector VA (Art.-Nr. 235)
 - 5 pieces: NW50 (2") hose clamp
 - 1 pieces: NW50>24 AV Injection nozzle (with ball valve) (Art.-Nr. 5692)

Hose reel NW75 - D1000 plus

Art. 6464



Klick me! (Image similariar)

For practical reeling of hoses up to a length of 130m (depending on the diameter, see data sheet), any combination possible. The reel can be mounted anywhere and the weight is reduced to a minimum.

- Steel frame (powder-coated), consists of:
- Frame with fastening options for roles, wall or floor fastening
 - Hose reel with detectable twist lock (locking bolt)
 - Mirror-inverted reel mounting possible, thereby flexible adaptation to the application situation possible
 - Hose connection NW75 (3") side of the reel
 - Capacity:
- Injection hose NW50 approx. 110m
Conveyor hose NW50 approx. 130m
Injection hose NW63 approx. 70m
Conveyor hose NW63 approx. 90m
Injection hose NW75 approx. 45m
Conveyor hose NW75 approx. 60m

For further information see data sheet.

Please give the following details when ordering:
Hose connection and locking standard left (front view). Deviating assembly possible (must be specified with order) or later modification

- Options:
- Hose reel: Accessory set NW75 (3") for connection to the insulation blowing machine (art. No. 5845)
 - Hose reel: Accessory set NW63 (2½") for connection to the insulation blowing machine (art. No. 11771)
 - Hose reel: Accessory set NW50 (2") for connection to the insulation blowing machine (art. No. 11772)

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09 Spare parts Sealings, filters, wering parts, etc.

- 2x fixed castor (Prod. No. 4767) and 2x castor, sheet steel, extra heavy construction (Prod. No. 4766)
- 4x fixed castor (Prod. No. 4767)

Schlauchtrommel NW90 - D1000 +++ Artikel in Bearbeitung +++

Art. 10554

English version in preparation:

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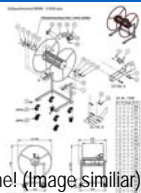
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Klick me! (Image similair)

Schlauchtrommel NW90 - D1000 plus

Art. 11948

English version in preparation:



Klick me! (Image similair)

Hose reel: Accessory set NW50 (2") for connection to the insulation blowing machine

Art. 11772

Set with all necessary parts to connect a hose reel NW75 - D1000 plus (Art.-No. 6464) with an insulation blowing machine outlet NW50 (2").

Consisting of:

- Hose connector rotatable SDV50 (2") (Art.-No. 6522)
- Blow-in hose NW50 (2") (art. no. 4502, approx. 1.1m)
- Blow-in hose NW50 (2") (Art.-No. 4502, approx. 3.0m)
- Hose clamp NW50 (2") (Art.-No. 175, 4 pieces)
- Hose connector NW50 (2") (item no. 235)

Klick me! (Image similair)

Hose reel: Accessory set NW63 (2½") for connection to the insulation blowing machine

Art. 11771

Set with all necessary parts to connect a hose reel NW75 - D1000 plus (art. no. 6464) with an insulation blowing machine outlet NW63 (2½").

Consisting of:

- Hose connector rotatable SDV63 (2½") (art.-no. 6896)
- Delivery hose NW63 (2½") smooth (art. No. 4498, approx. 1.1m)
- Delivery hose NW63 (2½") smooth (Art.-No. 4498, approx. 3.0m)
- Hose clamp NW63 (2½") (art.-no. 176, 4 pieces)
- Hose connector NW63 (2½") (art.-no. 236)

Klick me! (Image similair)

Hose reel: Accessory set NW75 (3") for connection with insulation blowing machine

Art. 5845

Set with all necessary parts to connect a hose reel NW75 - D1000 plus (item no. 6464) with an insulation blowing machine with outlet NW75 (3").

Consisting of:

- Hose connector swivel SDV75 (3") (item no. 4451)
- Delivery hose NW75 (Art.-No. 284, approx. 10cm)
- Delivery hose NW75 (Art.-No. 284, approx. 3m)
- Hose clamps NW75 (art. No. 177, 3 pieces)

Klick me! (Image similair)

Schleifstein für Lochsäge HF

Art. 9293

English version in preparation: Schleifstein, z.B. zum Nachschärfen von Lochsägen für Holzweichfaserplatten.

Verwendbar zum Beispiel für:

- DDE: Lochsäge HF D=85mm mit Auswurf (Art.-Nr. 9335)
- DDE: Lochsäge HF D=106,5mm mit Auswurf (Art.-Nr. 9145)
- DDE: Lochsäge HF D=120mm mit Auswurf (Art.-Nr. 9334)



Klick me! (Image similair)

Schnellwechselaufnahme für Lochsäge

Art. 9286

English version in preparation: passend für

- DDE: Lochsäge mit Schnellwechselaufnahme für Holzwerkstoffe, Kunststoffe (z.B. Art.-Nr. 9289, 9290, etc.)



Klick me! (Image similair)

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09 Spare parts Sealings, filters, wering parts, etc.**Protective hose with Velcro fastener for cable package blowing machine - blowing panel****Art. 10291**

Klick me! (Image similair)

Tear-resistant, robust fabric hose with Velcro fastener to protect cables and lines from mechanical stresses such as abrasion, chafing, pressure points.
Suitable for protecting the cable package between the insulation blowing machine and the blowing panel related to a hose line NW90 (3½") incl. compressed air line, mains cable for blowing panel and module amplifier and control cable.

Material: Nylon yarn with polyurethane coating and Velcro tape.
Protective properties: Uv-, ozone-resistant, oil-resistant and very good flame resistance.
Length: running metres in one piece
Application range: -40 to +120°C
Inner diameter: approx. 125 mm

+++ From 10m length 10% discount +++

Silicone spray 400ml**Art. 2330**

Klick me! (Image similair)

Tension belt 2 m**Art. 8491**

Klick me! (Image similair)

Description: Length=2m / width=25mm with clamp lock
Tractive force: 250daN
Belt end 60° angled
+++ from 10 pieces 10% discount +++

Control cable 25m PUR, ring (10-core, contact-plug/socket)**Art. 8087**

Klick me! (Image similair)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as
- M95, M99 (certain models only), EM300, EM400, EM500
- KFB2000, FFB2000, FFB2000-Pro

Incompatibilities with insulation blowing machines of type M95 built before 2003 are possible. In this case, please ask our customer service for possible alternatives.

Technical data:
- Cable length: 25m
- Cable: PUR sheated cable 10 x 0,34mm²
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 2,2kg

Control cable 50m for interlinking EM4XX -> Blowing panel**Art. 8618**

Klick me! (Image similair)

24+1 pin control line for establishing a connection between EM4XX and blowing panel.

Note:
Both machines need to be prepared for a factory filling system (prod. No. 8615 and prod. No. 8617).

Scope of delivery:
- Cable 24+1 pin with 1x 24+1 pin plug and 1x 24+1 pin socket, length 50m

Control cable 50m PUR, ring (10-core, contact-plug/socket)**Art. 7208**

Klick me! (Image similair)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as
- M95, M99 (certain models only), EM300, EM400, EM500
- KFB2000, FFB2000, FFB2000-Pro

Incompatibilities with insulation blowing machines of type M95 built before 2003 are possible. In this case, please ask our customer service for possible alternatives.

Technical data:
- Cable length: 50m
- Cable: PUR sheated cable 10 x 0,34mm²
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 4,2kg

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09 Spare parts Sealings, filters, wering parts, etc.

Control cable 5m for interlinking EM4XX -> Bale conditioning machine

Art. 8619



Klick me! (Image similar)

14+1 pin control line for establishing a connection between EM4XX and filling station.

Note:

Both machines need to be prepared for a factory filling system (prod. No. 8615 and prod. No. 8616).

Scope of delivery:

- 5m cable 14+1 pin with 1x 14+1 pin plug and 1x 14+1 pin socket

Control cable 5m PUR, ring (10-core, contact-plug/-socket)

Art. 8088



Klick me! (Image similar)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as

- M95, M99 (certain models only), EM300, EM400, EM500
- KFB2000, FFB2000, FFB2000-Pro

Incompatibilities with insulation blowing machines of type M95 built before 2003 are possible. In this case, please ask our customer service for possible alternatives.

Technical data:

- Cable length: 5m
- Cable: PUR sheated cable 10 x 0,34mm²
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 0,6kg

Control cable 5m PUR, ring (7-core, contact-plug/-socket)

Art. 5217



Klick me! (Image similar)

Extension cable for X-Floc insulation blowing machines' remote controls

This extension cable increases the range of a cable- or radio remote control for controlling a X-Floc insulation blowing machine.

Compatible with all X-Floc insulation blowing machines and cable- or radio remote controls with matching plug system as

- M95, M99 (certain models only), EM300, EM400, EM500
- KFB2000, FFB2000, FFB2000-Pro

Functional limitations when operating the insulation blowing machines of type EM300, EM400 and EM500 in combination with a radio remote control FFB2000-Pro are possible. In this case, please ask our customer service for possible alternatives.

Technical data:

- Cable length: 5m
- Cable: PUR sheated cable 7 x 0,34mm²
- Plug/socket: Contact 8+1, plug with twistlock
- Weight: approx. 0,5kg

+++++++ Attention, system change +++++++

Since 2009, we only use plugs with twistlock.

Please check the thread at existing cable- or connection socket.

A socket with damaged thread must be replaced.

+++++++

Electric generator XE exhaust hose

Art. 4800



Klick me! (Image similar)

Suitable for XE14KW electric generator (product 4585) and for XE10KW (Product 4978)

Flexible metal hose for removal of exhaust gases.

Length: 1.5 M

(not suitable for enclosed spaces)

XE14kW electric generator: 90° adapter for exhaust hose

Art. 4801



Klick me! (Image similar)

Suitable for XE14KW electric generator (prod. No. 4585) and for XE10KW (prod. No. 4978)

90° bend suitable for exhaust hose

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09 Spare parts**Sealings, filters, wering parts, etc.****Power generator XE10kW: Wheel set****Art. 4982**

Use: Suitable for XE10kW (prod. no. 4978)
Easy assembly without drills for model with full frame

Klick me! (Image similar)

Power generator XE14kW: Hose for refuelling system**Art. 5753**

Spare hose for the refuelling system



Klick me! (Image similar)

XE14kW power generator refuelling system**Art. 4802**

Includes: 20 litre canister with fuel extraction device.



Klick me! (Image similar)

Stromverteiler 400V/16A PRCD-S (Typ B, allstromsensitiv) +++noch nicht freigegeben+++**Art. 9271**

English version in preparation: Mobiler Stromverteiler mit integriertem allstromsensitiven Fehlerstromschutz



Klick me! (Image similar)

Der sichere Betrieb von Einblasmaschinen, die frequenzumrichter-gesteuerte Antriebe enthalten und mit einem 400V/16A-Anschluss ausgestattet sind, erfordert den Anschluss an einen Speisepunkt der mit einem allstromsensitiven Fehlerstromschutz Typ B oder Typ B+ ausgestattet ist. Falls der vorliegende Speisepunkt nicht entsprechend vorbereitet ist (z.B. kein RCD vorhanden oder RCD Typ A), oder die Ausführung der vorgeschalteten Fehlerstromschutz-einrichtung unbekannt ist, kann mit diesem Stromverteiler der sichere Betrieb gewährleistet werden. Fehlerströme mit glatten Gleichstromanteilen, wie sie in frequenzgeführten Maschinen entstehen können, können so überwacht werden ohne dass weitere Schutzmaßnahmen am Speisepunkt vorgenommen werden müssen.

Hintergrund sind geltende Vorschriften beim gewerblichen Tätigkeiten auf Baustellen wie z.B. die DGUV Information 203-006 ((BGI608), IEC61439, IEC 62262 und anerkannte Regeln der Technik, die neben weiteren Fundstellen z.B. in der VDE 0100-704 näher beschrieben sind.

Die mobile Ausführung eignet sich besonders für die Absicherung von elektrischen Verbrauchern mit wechselnden Einsatzorten wie zum Beispiel auf Baustellen.

Technische Daten:

Einspeisung: CEE-Stecker 5-polig, 400V/16A

Lastausgang: CEE-Steckdose 5-polig, 400V/16A

Einschalt-dauer: Dauerbetrieb

Abmessungen: ca. ____ x ____ x ____ mm (B x H x T)

Stromverteiler 400V/16A PRCD-S (Typ B, allstromsensitiv) +++noch nicht freigegeben+++**Art. 9668**

English version in preparation: Mobiler Stromverteiler mit integriertem allstromsensitiven Fehlerstromschutz



Klick me! (Image similar)

Der sichere Betrieb von Einblasmaschinen, die frequenzumrichter-gesteuerte Antriebe enthalten und mit einem 400V/16A-Anschluss ausgestattet sind, erfordert den Anschluss an einen Speisepunkt der mit einem allstromsensitiven Fehlerstromschutz Typ B oder Typ B+ ausgestattet ist. Falls der vorliegende Speisepunkt nicht entsprechend vorbereitet ist (z.B. kein RCD vorhanden oder RCD Typ A), oder die Ausführung der vorgeschalteten Fehlerstromschutz-einrichtung unbekannt ist, kann mit diesem Stromverteiler der sichere Betrieb gewährleistet werden. Fehlerströme mit glatten Gleichstromanteilen, wie sie in frequenzgeführten Maschinen entstehen können, können so überwacht werden ohne dass weitere Schutzmaßnahmen am Speisepunkt vorgenommen werden müssen.

Hintergrund sind geltende Vorschriften beim gewerblichen Tätigkeiten auf Baustellen wie z.B. die DGUV Information 203-006 ((BGI608), IEC61439, IEC 62262 und anerkannte Regeln der Technik, die neben weiteren Fundstellen z.B. in der VDE 0100-704 näher beschrieben sind.

Die mobile Ausführung eignet sich besonders für die Absicherung von elektrischen Verbrauchern mit wechselnden Einsatzorten wie zum Beispiel auf Baustellen.

Technische Daten:

Einspeisung: CEE-Stecker 5-polig, 400V/16A

Lastausgang: CEE-Steckdose 5-polig, 400V/16A

Einschalt-dauer: Dauerbetrieb

Abmessungen: ca. ____ x ____ x ____ mm (B x H x T)

Delivery list with illustrations

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09 Spare parts**Sealings, filters, wering parts, etc.****Stromverteiler 400V/16A aus Vollgummi PRCD-S (Typ B, allstromsensitiv) +++noch nicht freigegeben+++****Art. 9251**

English version in preparation: Mobiler Stromverteiler mit integriertem allstromsensitiven Fehlerstromschutz



Klick me! (Image similar)

Der sichere Betrieb von Einblasmaschinen, die frequenzumrichter gesteuerte Antriebe enthalten und mit einem 400V/16A-Anschluss ausgestattet sind, erfordert den Anschluss an einen Speisepunkt der mit einem allstromsensitiven Fehlerstromschutz Typ B oder Typ B+ ausgestattet ist. Falls der vorliegende Speisepunkt nicht entsprechend vorbereitet ist (z.B. kein RCD vorhanden oder RCD Typ A), oder die Ausführung der vorgeschalteten Fehlerstromschutzvorrichtung unbekannt ist, kann mit diesem Stromverteiler der sichere Betrieb gewährleistet werden. Fehlerströme mit glatten Gleichstromanteilen, wie sie in frequenzgeführten Maschinen entstehen können, können so überwacht werden ohne dass weitere Schutzmaßnahmen am Speisepunkt vorgenommen werden müssen.

Hintergrund sind geltende Vorschriften beim gewerblichen Tätigkeiten auf Baustellen wie z.B. die DGUV Information 203-006 ((BGI608), IEC61439, IEC 62262 und anerkannte Regeln der Technik, die neben weiteren Fundstellen z.B. in der VDE 0100-704 näher beschrieben sind.

Die mobile Ausführung eignet sich besonders für die Absicherung von elektrischen Verbrauchern mit wechselnden Einsatzorten wie zum Beispiel auf Baustellen.

Technische Daten:

Bemessungsdaten: 230V AC, 400V AC, 16A, 50Hz

Einspeisung: CEE-Stecker 16A

Kabeltyp: H07RN-F5G2,5

Max. Leitungslänge: 2m

Lastausgang: CEE-Steckdose 16A

Einschaltdauer: Dauerbetrieb

Gehäuse: Vollgummi, tragbar, stapelbar

Schutzart: IP44

Schutzklasse nach EN60335: II

Abmessungen: ca. 270 x 340 x 280mm (B x H x T)

Stromverteiler 400V/16A PRCD-S (Typ B, allstromsensitiv) +++noch nicht freigegeben+++**Art. 9622**

English version in preparation: Mobiler Stromverteiler mit integriertem allstromsensitiven Fehlerstromschutz



Klick me! (Image similar)

Der sichere Betrieb von Einblasmaschinen, die frequenzumrichter gesteuerte Antriebe enthalten und mit einem 400V/16A-Anschluss ausgestattet sind, erfordert den Anschluss an einen Speisepunkt der mit einem allstromsensitiven Fehlerstromschutz Typ B oder Typ B+ ausgestattet ist. Falls der vorliegende Speisepunkt nicht entsprechend vorbereitet ist (z.B. kein RCD vorhanden oder RCD Typ A), oder die Ausführung der vorgeschalteten Fehlerstromschutzvorrichtung unbekannt ist, kann mit diesem Stromverteiler der sichere Betrieb gewährleistet werden. Fehlerströme mit glatten Gleichstromanteilen, wie sie in frequenzgeführten Maschinen entstehen können, können so überwacht werden ohne dass weitere Schutzmaßnahmen am Speisepunkt vorgenommen werden müssen.

Hintergrund sind geltende Vorschriften beim gewerblichen Tätigkeiten auf Baustellen wie z.B. die DGUV Information 203-006 ((BGI608), IEC61439, IEC 62262 und anerkannte Regeln der Technik, die neben weiteren Fundstellen z.B. in der VDE 0100-704 näher beschrieben sind.

Die mobile Ausführung eignet sich besonders für die Absicherung von elektrischen Verbrauchern mit wechselnden Einsatzorten wie zum Beispiel auf Baustellen.

Technische Daten:

Einspeisung: CEE-Stecker 5-polig, 400V/16A

Lastausgang: CEE-Steckdose 5-polig, 400V/16A

Einschaltdauer: Dauerbetrieb

Abmessungen: ca. ____ x ____ x ____mm (B x H x T)

Stromverteiler 400V/16A PRCD-S (Typ B, allstromsensitiv) +++noch nicht freigegeben+++**Art. 9323**

English version in preparation: Mobiler Stromverteiler mit integriertem allstromsensitiven Fehlerstromschutz



Klick me! (Image similar)

Der sichere Betrieb von Einblasmaschinen, die frequenzumrichter gesteuerte Antriebe enthalten und mit einem 400V/16A-Anschluss ausgestattet sind, erfordert den Anschluss an einen Speisepunkt der mit einem allstromsensitiven Fehlerstromschutz Typ B oder Typ B+ ausgestattet ist. Falls der vorliegende Speisepunkt nicht entsprechend vorbereitet ist (z.B. kein RCD vorhanden oder RCD Typ A), oder die Ausführung der vorgeschalteten Fehlerstromschutzvorrichtung unbekannt ist, kann mit diesem Stromverteiler der sichere Betrieb gewährleistet werden. Fehlerströme mit glatten Gleichstromanteilen, wie sie in frequenzgeführten Maschinen entstehen können, können so überwacht werden ohne dass weitere Schutzmaßnahmen am Speisepunkt vorgenommen werden müssen.

Hintergrund sind geltende Vorschriften beim gewerblichen Tätigkeiten auf Baustellen wie z.B. die DGUV Information 203-006 ((BGI608), IEC61439, IEC 62262 und anerkannte Regeln der Technik, die neben weiteren Fundstellen z.B. in der VDE 0100-704 näher beschrieben sind.

Die mobile Ausführung eignet sich besonders für die Absicherung von elektrischen Verbrauchern mit wechselnden Einsatzorten wie zum Beispiel auf Baustellen.

Technische Daten:

Einspeisung: CEE-Stecker 5-polig, 400V/16A

Lastausgang: CEE-Steckdose 5-polig, 400V/16A

Einschaltdauer: Dauerbetrieb

Abmessungen: ca. ____ x ____ x ____mm (B x H x T)

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09 Spare parts Sealings, filters, wering parts, etc.

Stutzen (Einblas- / Absaug-) NW90

Art. 6804



Klick me! (Image similariar)

English version in preparation: Schlauchflansch mit 3 Bohrungen für diverse Anwendungen.

Beispiele:

- Entstaubung Maschinenaufsatz
- Frischluftansaugung

Schlauchanschluss: NW90

Flanschplatte: mit 3 Bohrungen

Twin-control adaptor 7+1 pole (M99, EM100)

Art. 2220



Klick me! (Image similariar)

Adaptor cable for twin operation of two Minifants M99/EM100 with a radio remote or a hand-held control (L= approx. 2,5m).

Connection:

1. Connect the radio remote or hand-held control to the control connector (Twin adaptor)
2. Connect the twin adaptor with both machine control sockets (7+1pole)

Important: both machines must be configured to "radio control / remote".

With disruptions with the Slave Machine, no engine protection is possible. Disruption is displayed, engine protection is not released.

Ask for the machine control connector (7+1pole) when ordering for guarantee the function.

Sealing corks VK52

Art. 8837



Klick me! (Image similariar)

Sealing cork for time-saving sealing of blow-in openings. Best suitability for hard planking materials such as OSB, hard fiber, gypsum board, etc.

Easy to use due to conical inlet and good hold and sealing due to cylindrical sealing surface. Airtight and splash-proof.

Dimensions sealing cork: Ø 51/55mm, s=approx. 25mm

Recommended drill hole: D= 52..54mm

Volume Discount:

- from 100 pieces 3% discount
- from 250 pieces 5% discount
- from 500 pieces 8% discount
- from 1000 pieces 10% discount
- from 5000 pieces 12% discount

Remark:

From many years of experience, we know that the sealing corks are well suited for use with gypsum fiberboard and other planking materials. Discoloration or the like after plastering is not expected even after many years. There is no separate approval for the use of sealing corks in conjunction with gypsum fiberboard.

Closing plug VS106 (wood fibre)

Art. 8950



Klick me! (Image similariar)

Dodecagonal, cylindrical closing plug for closing drilling holes in wood fibre panels. 40mm thick.

Quantity discount:

- discount of 2% when purchasing 250 or more pieces
- discount of 4% when purchasing 1000 or more pieces
- discount of 6% when purchasing 5000 or more pieces

Closing plug VS120 (wood fibre)

Art. 8951



Klick me! (Image similariar)

Dodecagonal, cylindrical closing plug for closing drilling holes in wood fibre panels. 40mm thick.

Quantity discount:

- discount of 2% when purchasing 250 or more pieces
- discount of 4% when purchasing 1000 or more pieces
- discount of 6% when purchasing 5000 or more pieces

VS: Connection set for module amplifier NW63/NW90>NW90

Art. 10963



Klick me! (Image similariar)

Accessories for connecting an amplifier station module amplifier VS40 with an outlet size of NW63 to an insulation blowing machine with an outlet size of NW90 and a blowing plate with inlet NW90.

Inlet: NW63(2½")/NW90(3½")

Outlet: NW90(2½")

Scope of delivery:

- 1x Module amplifier VS40: connection cable 3.6m (prod. no. 10962)
- 1x Y-Piece NW63/90>90 (stainless steel) (prod. no. 6670)
- 1.5m Conveying hose with flexible earthing lead NW63 (2 1/2")
- 0.5m Conveyor hose with flexible earthing braids NW90 (3½")
- 2x Hose clamp NW63(2½") (prod. no. 176)
- 2x Hose clamp NW90(3½") (prod. no. 1923)

Delivery list with illustrations

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09 Spare parts

Sealings, filters, wering parts, etc.

VS: Connection set for amplifier NW63/NW90>NW90

Art. 7870



Accessories for connecting an amplifier station with an outlet size of NW63 to an insulation blowing machine with an outlet size of NW90.

Inlet: NW63(2½")/NW90(3½")

Outlet: NW90(2½")

Consisting of:

- 1x VS: Connecting control cable for control from the blowing machine (L=approx. 5m) (prod. No. 1856)
- 1x Y-Piece NW63/90>90 (stainless steel) (prod. no. 6670)
- 1.5m NW63 conveying hose (2½"), smooth
- 1.5m NW90 conveying hose (3½"), smooth
- 2x Hose clamp NW63(2½") (prod. no. 176)
- 2x Hose clamp NW90(3½") (prod. no. 1923)

Options:

- Extension with check valve to avoid return flows in the direction of the connected amplifier respectively to avoid operator error, consists of:

1. Check valve (butterfly), NW63 (prod.-No. 8833)
2. Conveying hose NW63 (2½"), smooth, L=20m (0,01 piece, prod.-No. 573)
3. Hose clamp NW63 (2½") (2 pieces prod.-No. 176)

VS: Connecting Set for Amplifier NW75/NW75>NW75

Art. 9304



Accessories for connecting an amplifier station with an outlet size of NW75 to an insulation blowing machine with an outlet size of NW75.

Inlet: NW75(3")/NW75(3")

Outlet: NW75(3")

Consisting of:

- 1x VS: Connecting control cable for control from the blowing machine (L=approx. 5m) (prod. no. 1856)
- 1x Y-Piece NW75/63>75 (stainless steel) (prod. no. 2221)
- 2x 1.5m NW75 conveying hose (3"), smooth
- 4x Hose clamp NW75(3") (prod. no. 177)

VS: Connection set for amplifier NW75/NW90>NW90

Art. 9302



Accessories for connecting an amplifier station with an outlet size of NW75 to an insulation blowing machine with an outlet size of NW90.

Inlet: NW75(3")/NW90(3½")

Outlet: NW90(3½")

Consisting of:

- 1x VS: Connecting control cable for control from the blowing machine (L=approx. 5m) (prod. no. 1856)
- 1x Y-Piece NW90/75>90 (stainless steel) (prod. no. 4523)
- 1.5m NW75 conveying hose (3"), smooth
- 1.5m NW90 conveying hose (3½"), smooth
- 2x Hose clamp NW75 (3") (prod. no. 177)
- 2x Hose clamp NW90 (3½") (prod. no. 1923)

VS: Amplifier station module amplifier VS40

Art. 10309



Turbine amplifier for integration into the EP800.

3-stage turbine from EM300 series.

Motor 400V / 4kW

Amplifier/extractor station completely assembled, ready for installation. Console with mounting option, 3-stage high-performance turbine made of aluminium with frequency converter, motor and belt drive, suction filter and non-return valve. Electrical switchgear incl. Master-slave connection, main switch and controls.

Suitable for:

- Reinforcement of blow-in panels type EP800 (starting from year 03/2021).

Advantages:

- High air performance with compact design
- Maximum reinforcement effect related to high installation densities with blow-in panels
- Suitable for long periods of use thanks to non-contact drive
- Low maintenance

Technical data:

- Dimensions (LxWxH): approx. 590 x 550 x 350 mm
- Weight: approx. 60 kg

Power supply: approx. 400V/16

- Frequency-controlled drives are integrated in the amplifier/extractor station.

The electrical connection must be made in accordance with the applicable national electrical regulations.

Rated power: 4.0kW

Delivery pressure (max.): approx. 440mbar

Negative pressure (max.): approx. 330mbar

Air volume: approx. 360m³/h

Intake connection: NW75 (")

Exhaust connection: NW63 (2½")

Delivery list with illustrations

Last updated: 20.03.2024

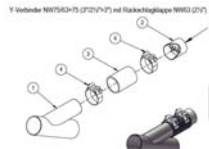
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09 Spare parts Sealings, filters, wering parts, etc.

Control/operation: operating mode selector switch, input for level control

Scope of delivery:

- Module amplifier VS40
- VS: Connection set for module amplifier NW63/NW90>NW90 (prod. No. 10963), contains all necessary parts to connect the amplifier with a blowing machine/blowing plate
- Installation instructions

Y-Piece NW75/63>75 (3"/2½">3") stainless steel with non-return valve NW63 (2½")**Art. 10256**

Klick me! (Image similair)

Lateral pipe fitting made of stainless steel with approx. 30 ° branch angle. Typical use for coupling an air amplifier into a conveyor line. The use of thin-walled pipe material virtually eliminates material stoppers.

Dimensions:

Straight tube: NW75 (3")

Branch: NW63 (2½")

Options:

- Hose clamp NW75 (3") (prod. no. 177)
- Hose clamp NW75 (3") 79-85mm (hinged bolt clamp) (prod. no. 3759)
- Hose clamp NW75 (3"), quick-connect clamp with hook (prod. no. 223)
- Hose clamp NW63 (2½") (prod. no. 176)
- Hose clamp NW63 (2½") 68-73mm (hinged bolt clamp) (prod. no. 2822)

Y-Stück NW90/63>90 (3½"/2½">3½") mit Rückschlagklappe**Art. 10258**

Klick me! (Image similair)

English version in preparation: Abzweigstück aus Edelstahl mit ca. 30 ° Abzweigwinkel. Typische Verwendung zur Einkopplung eines Luft-Verstärkers in eine Förderleitung. Durch die Verwendung von dünnwandigem Rohrmaterial sind Materialstopfer praktisch ausgeschlossen.

Die vormontierte Rückschlagklappe verhindert wirksam eine mögliche Rückströmung von Dämmmaterial.

Abmessungen: ca. 343 x 202 x 90mm (L x B x H)

Durchgehendes Rohr: NW90 (3½")

Abzweig: NW63 (2½") inkl. Rückschlagklappe NW63 (2½")

Optionen:

- Schlauchklemme NW90 (3½") (Art.-Nr. 1923)
- Schlauchklemme NW90 (3½") S 97-104 (Gelenkbolzenschelle) (Art.-Nr. 3811)
- Schlauchklemme NW90 (3½"), Schnellverschlussklemme mit Haken (Art.-Nr. 8816)
- Schlauchklemme NW63 (2½") (Art.-Nr. 176)
- Schlauchklemme NW63 (2½") S 68-73 (Gelenkbolzenschelle) (Art.-Nr. 2822)

Y-Piece NW90/90>90 (3½"/3½">3½") stainless steel**Art. 7136**

Klick me! (Image similair)

Lateral pipe fitting made of stainless steel with approx. 30 ° branch angle. Typical use for coupling an air amplifier into a conveyor line. The use of thin-walled pipe material virtually eliminates material stoppers.

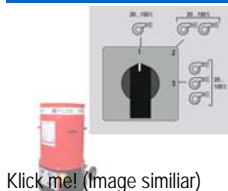
Dimensions:

Straight tube: NW90 (3½")

Branch: NW90 (3½")

Options:

- Hose clamp NW90 (3½") (prod. no. 1923)
- Hose clamp NW90 (3½") 97-104mm (hinged bolt clamp) (prod. no. 3811)
- Hose clamp NW90 (3½"), quick-connect clamp with hook (prod. No. 8816)

Zellofant M95-400V-7.0kW Zellofant optional add-on - all blowers adjustable - Var.3**Art. 6937**

Klick me! (Image similair)

With this additional option, the power of all three centrifugal fans of the insulation blowing machine can be adjusted with the control.

This results in the following load distribution during machine operation:

Blower selector switch in position 1: the engine of the airlock and the engine of the stirring unit are distributed among the phases 1, 2 and 3. The blower 1 (adjustable) is distributed among phase 1.

Blower selector switch in position 2: see position 1, in addition the blower 2 (adjustable) is distributed among phase 2.

Blower selector switch in position 3: see position 2, in addition the blower 3 (adjustable) is distributed among phase 2.

Zellofant: Reinforced Rotary Airlock (additional charge) L200**Art. 6719**

Klick me! (Image similair)

EReinforced rotary airlock through thicker wall strengths for longer service life when working with abrasive insulation materials such as glass wool, mineral wool and similar.

Application: article can only be ordered in conjunction with a new machine from the M95 type as an option.

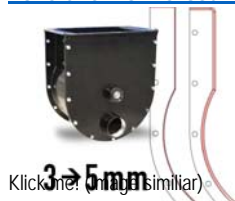
Technical Details:

- Increased wall strength whose surfaces come into contact with material (airlock head surfaces and casing surface shell).
- Material: steel
- Outer surface: powder coated

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09 Spare parts Sealings, filters, wering parts, etc.**Zellofant: Reinforced Rotary Airlock (additional charge) L230, 1x63mm****Art. 6726**

Reinforced rotary airlock through thicker wall strengths for longer service life when working with abrasive insulation materials such as glass wool, mineral wool and similar.

Application: article can only be ordered in conjunction with a new machine from the M95 type as an option.

Technical Details:

- Increased wall strength whose surfaces come into contact with material (airlock head surfaces and casing surface shell).
- Material: steel
- Outer surface: powder coated

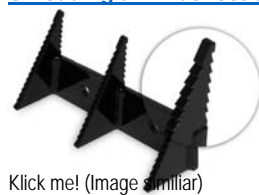
Zellofant: Reinforced Rotary Airlock (additional charge) L230, 2x50mm**Art. 6725**

Reinforced rotary airlock through thicker wall strengths for longer service life when working with abrasive insulation materials such as glass wool, mineral wool and similar.

Application: article can only be ordered in conjunction with a new machine from the M95 type as an option.

Technical Details:

- Increased wall strength whose surfaces come into contact with material (airlock head surfaces and casing surface shell).
- Material: steel
- Outer surface: powder coated

Shredding arm - deflection element universal**Art. 8358**

Deflection element for fastening to the hopper's inner side

Suitable for

- the installation into X-Floc insulation blowing machines of type Zellofant M95

Advantages

- A fine zigzag structure enables a good ripping of the insulation material
- Compacted pieces of material, which won't be broken completely, will be conditioned

Technical details

- Dimensions: approx. 170x81x40mm (LxBxT)
- Weight: approx. 0,6kg
- Material: steel
- Amount of teeth: 3 pieces

Note

We recommend the installation of two deflection elements. Alternatively, up to three elements can be installed.

Scope of delivery

- 1x Deflection element
- Installation instructions

Shredding arm universal**Art. 7889**

Shredding arm for the installation into X-Floc insulation blowing machines of type Zellofant M95

Advantages

- The straight version with straight cutting wedges at the outer side enables a good ripping of the insulation material
- Welded-on material disturbing elements enable a breaking up and a conditioning of heavily compacted pieces of material

Technical details

- Dimensions: approx. 720x40x88mm (LxWxH)
- Weight: approx. 3,2kg
- Material: steel

Consisting of:

- Schraube DIN 933 M16x30, Stahl 8.8, verzinkt, Sechskant (ISO4017) (Art.-Nr. 1130)
- Federring M16 DIN 127 B (Art.-Nr. 3127)
- Scheibe DIN 125 M16, Stahl 140HV, verzinkt (ISO7089) (Art.-Nr. 112)
- Zylinderstift 7x24 (Art.-Nr. 2464, 2 Stück)

10 Worker protection**Breathing protection, overalls, etc.****X-Floc overall khaki, Size L****Art. 3741**

Overalls suitable for most building sites, with the following features:

- Elasticated hood
- Zip on front
- 2 sealable side pockets.
- 1 breast pocket with zip (left)
- Two side reach-in pockets with velcro
- Adjustable waistband (Knopflochgummi)
- Stretchy cuffs
- Thigh pocket (left)
- Reinforced knee pads with velcro pockets to accommodate knee pads.
- Colour: Khaki
- 65PE/35Bw

Options:

- X-Floc overall khaki, Size M (Art.-Nr.: 3952)
- X-Floc overall khaki, Size XL (Art.-Nr.: 3673)

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10	Worker protection	Breathing protection, overalls, etc.
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- X-Floc overall khaki, Size XXL (Art.-Nr.: 3674)
- Protective overall, disposable size XXL white (Art.-Nr.: 11066)

X-Floc overall khaki, Size M**Art. 3952**

Overalls suitable for most building sites, with the following features:

- Elasticated hood
- Zip on front
- 2 sealable side pockets.
- 1 breast pocket with zip (left)
- Two side reach-in pockets with velcro
- Adjustable waistband (Knopflochgummi)
- Stretchy cuffs
- Thigh pocket (left)
- Reinforced knee pads with velcro pockets to accomodate knee pads.
- Colour: Khaki

Options:

- X-Floc overall khaki, Size L (Art.-Nr.: 3741)
- X-Floc overall khaki, Size XL (Art.-Nr.: 3673)
- X-Floc overall khaki, Size XXL (Art.-Nr.: 3674)
- Protective overall, disposable size XXL white (Art.-Nr.: 11066)

X-Floc overall khaki, Size XL**Art. 3673**

Work suit for typical construction site use with the following features:

- Hood with elastic band in tunnel
- Centre front with zip
- 2 side pockets closable
- 1 breast pocket with zip (left)
- Side pass-through with Velcro
- Adjustable waistband (buttonhole elastic)
- Arm cuffs with stretch cuffs
- Folding rule pocket (right)
- Knee reinforcement with gusset and velcro
- Colour: Khaki
- 65PE/35Bw
- Size: XL (Height: 180 - 185 cm, Chest: 102 - 107 cm, Waist: 85 - 92 cm)

Options:

- Overall X-Floc size M khaki (Art.-No.: 3952)
- Overall X-Floc size L khaki (Art.-No.: 3741)
- Overall X-Floc size XXL khaki (Art.-No.: 3674)
- Overall disposable size XXL white (Art.-No.: 11066)

X-Floc overall khaki, Size XXL**Art. 3674**

Work suit for typical construction site use with the following features:

- Hood with elastic band in tunnel
- Centre front with zip
- 2 side pockets closable
- 1 breast pocket with zip (left)
- Side pass-through with Velcro
- Adjustable waistband (buttonhole elastic)
- Arm cuffs with stretch cuffs
- Folding rule pocket (left)
- Knee reinforcement with gusset and velcro
- Colour: khaki
- 65PE/35Bw
- Size: XXL (Height: 184 - 189 cm, Chest: 106 - 110 cm, Waist: 88 - 95 cm)

Options:

- Overall X-Floc size M khaki (Art.-No.: 3952)
- Overall X-Floc size L khaki (Art.-No.: 3741)
- Overall X-Floc size XL khaki (Art.-No.: 3673)
- Overall disposable size XXL white (Art.-No.: 11066)

Protective overall, disposable size XXL white**Art. 11066**

Hooded overall with arm, leg and waist elastic and covered zip.
Good, comfortably cut industrial quality.

Intended use: Breathable overall for work with substances hazardous to health. Particle protection, limited splash protection. Particularly air-permeable, but less liquid protection than film laminate.

Material: 4-layer SMMS material (approx. 60 g/m²).

Certifications: CE-Kat. III (type 5 & 6), particle-tight (EN 13982-1), limited splash-tight (EN 13034), antistatic (EN 1149-5), radioactive particles (EN 1073-2)

Size: XXL

Options:

- X-Floc overall khaki, Size M (Art.-Nr.: 3952)
- X-Floc overall khaki, Size L (Art.-Nr.: 3741)
- X-Floc overall khaki, Size XL (Art.-Nr.: 3673)
- X-Floc overall khaki, Size XXL (Art.-Nr.: 3674)

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10	Worker protection	Breathing protection, overalls, etc.
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AS: EA1500 Particle filter P3 (2 pcs.)

Art. 1838



Klick me! (Image similariar)

Particle filters capture a wide range of solid particles in the form of liquid and solid aerosols such as dust, smoke, fibres, bacteria, viruses and radioactive particles.
Certifications: EN 143, EN 12941, EN 12942

Suitable for:

- AS: Insulation respiratory protection EA1500 complete set (art.-no. 11086).
- AS: EA1500 Blower unit (art.-no. 11084)

PU: 2 pcs.

AS: EA1800 Particle filter P3 (2 pcs.)

Art. 11170



Klick me! (Image similariar)

Particle filters capture a wide range of solid particles in the form of liquid and solid aerosols such as dust, smoke, fibres, bacteria, viruses and radioactive particles.
Certifications: EN 143, EN 12941, EN 12942

Suitable for:

- AS: Insulation respiratory protection EA1800 complete set (art.-no. 11162)
- AS: Insulation respiratory protection EA1800 R2W (Case) (art.-no. 11167)
- AS: EA1800 Blower unit (art.-no. 11163)

PU: 2 pcs.

AS: Proflow Ready-Pack complete set

Art. 3709



Klick me! (Image similariar)

Insulation respiratory protection Proflow in complete set

Mobile respiratory protection for safe work in environments with particle loads. Released for the protection class TH3.

Suitable for:

- Safe work in environments with particle loads
- Daily work assignment

Advantages:

- Easy to operate and handy form
- Pleasant wearing comfort
- Average operating time of up to approx. 15 hours, depending on the operation intensity

Technical details:

- Type of battery: NiMH-battery
- Battery operating time: up to approx. 15 hours, depending on the operation intensity
- Battery charging time: approx. 6 hours
- Air performance: 160l/min., regulated
- Warning signals: obstruction of the airflow, battery status, filter capacity
- Volume of the blowers in during operation: 65dB
- Temperature range: -10°C to +50°C
- Protection class: TH3
- Approvals: EN12941/EN12942 - CE0121

Scope of delivery:

- Respiratory protection blower
- Belt comfort (total length approx. 120cm)
- Face protection shield Multimask size M/L with anti-fog pane, face seal and wide rubber headband (other designs possible)
- Breathing air hose with bayonet lock
- 2x particle filters (art. no. 678) incl. pre-filter sets (2x pre-filter holders (art. no. 1142) and 1 pack of pre-filters (PU=20pcs.) (art. no. 719))
- Battery incl. charger and charging cable

Important, recommendation: The accumulator is partially charged on delivery. It is strongly recommended to fully charge the accumulator before the first operation.

Optional accessories:

- AS: protective films for Multimask (10 pieces) (prod. No. 10337)

AS Kemira: Accumulator 4.8V / 5Ah

Art. 1154



Klick me! (Image similariar)

4.8V / 9000mAh battery for "autoflow" blower unit.

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10 Worker protection Breathing protection, overalls, etc.**AS Kemira: A2-P3 (22) composite filter****Art. 830**

Klick me! (Image similar)

Suitable for autoflow power pack composite filter, A2-P3 (22) (e.g. for paint fumes).

AS Kemira: Scratch-proof visor for automasks**Art. 3284**

Scratch-proof polycarbonate visor for automask safety masks.



Klick me! (Image similar)

AS Particle filter for breathing mask**Art. 678**

Use: Kemira Autoflow 1000 (prod. no. 794), Proflow Ready-Pack (prod. no. 3709)

Type: PF 10 P3, AS X-Floc Respiratory protection complete set Ready-Pack (prod. no. 7022)



Klick me! (Image similar)

AS pre-filter Pro2000 (packaging unit = 20 pieces)**Art. 719**

Pre-filter for breathing protection Pro2000 (packaging unit = 20 pieces)



Klick me! (Image similar)

AS Pro 2000 pre-filter holder**Art. 1142**

PRO 2000 pre-filter holder for PF3 filters



Klick me! (Image similar)

11 Factory filling systems Blowing plates, big bale shredder, etc.**EP800: Surcharge for built-in panel PC with 10.1" touch screen instead of 7.0"****Art. 10843**

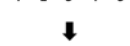
Use: e.g. EP800, EP1050 etc.



Klick me! (Image similar)

EP800: Extension with 1 piece injection module**Art. 11030**

The number of blow-in modules and the number of material switches increases by 1 each.



Klick me! (Image similar)

Technical data resulting from the modification:

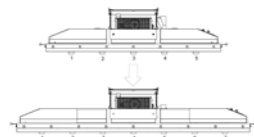
- The distance between the blow-in modules and, if applicable, the distance between the blow-in modules and the edges is reduced. This makes it possible to achieve a more uniform blow-in result with regard to the density gradient.
- Integration of the additionally available blow-in module into the control and software.

Note:

- The number of injection modules can be adjusted in the presettings of the software.

EP800: Length change from L=3 to L=4m and from 5 to 7 pcs. Blow-in modules (Surcharge)**Art. 10844**

Extended version of the blow-in panel EP800 with a total length of L=4m.



Klick me! (Image similar)

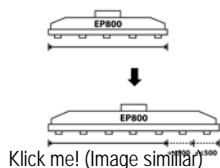
Technical data resulting from the modification:

- 7 instead of 5 blow-in modules
- 6 instead of 4 material pneumatical fibre switches
- Modified or extended coverings
- Software extension which guarantees the function of all 7 injection modules

Delivery list with illustrations

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11 Factory filling systems**Blowing plates, big bale shredder, etc.****EP800: Extension by 500mm (surcharge)****Art. 11035**

EP800: Extension by 500mm (surcharge)

Extension of the blow-in panel by up to 500mm per piece. Unless otherwise stated, the extension is 500mm.

Different extensions between 0 and 500mm are possible, please specify when ordering.

Examples:

- Extension by 1 x 500mm: Total length $L = 3.000\text{mm} + 500\text{mm} = 3.500\text{mm}$
- Extension by 1 x 200mm: Total length $L = 3.000\text{mm} + 200\text{mm} = 3.200\text{mm}$
- Extension by 2 x 500mm: Total length $L = 3.000\text{mm} + 2 \times 500\text{mm} = 4.000\text{mm}$
- Extension by 1 x 500mm + 1 x 250mm: Total length $L = 3.000\text{mm} + 500\text{mm} + 250\text{mm} = 3.750\text{mm}$

Notes:

The module code MKZ is calculated from the number of blow-in modules divided by the length [m]. Example: $\text{MKZ} = 5 / 3.0\text{m} = 1.667$. The permissible value range for the module index is between 1.500 and 1.875.

The lower limit of 1.500 is sufficient for good-flowing blow-in thermal insulation materials.

For blow-in thermal insulation materials with less good flow properties and which require a high installation density, modulus ratios in the upper range are recommended.

Examples:

- Number of blow-in modules = 5, length = 3.00m --> $\text{MKZ} = 1.667$
- Number of blow-in modules = 6, length = 4.00m --> $\text{MKZ} = 1.5$
- Number of blow-in modules = 6, length = 3.20m --> $\text{MKZ} = 1.875$

Factory-fill: EP800-NW90-Blowing Panel for industrial element filling**Art. 7992**

Advantages:

- Fast and efficient insulation
- Simplified production steps
- Easy to understand blow-in control
- Uniform insulation result thanks to five injection openings
- Precise quality control via display
- Simple selection of element geometry
- Simple activation/deactivation of injection nozzles
- Automatic filling of the elements with a homogeneous density distribution
- Logging of the blow-in process (blow-in mass, blow-in time, project name, element designations, parameter settings)

Technical data:

- Dimensions (standard): approx. 3,000x900x500mm (LxWxH, different lengths possible, see options and "Technical data blow-in panel EP800")
- Weight: approx. 280-400kg (depending on length and options)
- Power supply: 230V/50Hz/16A
- Compressed air power supply: filtered compressed air required, pressure 6-10 bar at approx. 55l/min
- Number of spring-loaded injection nozzles: 5 pieces (different number possible/required, see options)
- Hose connection and internal tubing: NW90 (3½")
- Throughput: depending on the blow-in thermal insulation material used and the upstream blow-in machine, up to 1,800kg/h
- Control: PLC panel PC (Beckhoff) with touch display (alternatively with wireless tablet PC on request).
- Quality control: Automatic in conjunction with optional weighing unit of the blow-in machine or GBF or GBA or GBL
- Networking with X-Floc blow-in machines for an automatic blow-in process possible.
- Blowing-in process: System-guided / automatic

Evaluation:

Settings, blow-in time, blow-in quantity, date, installation density, (if weighing unit is available) and other data are logged automatically and continuously.

Remarks:

In every company there are different processes, designs and customer requirements.

With an individual consultation we can adapt the injection system to your individual needs. In this way, you can exploit the maximum advantage for your processes. Contact us!

Options:

- Protective hose with Velcro fastener for cable package blow-in machine - blow-in plate (art. No. 10291, e.g. 16m).
- EP800: Surcharge for built-in panel PC with 10.1" touch screen instead of 7.0" (item no. 10843)
- EP800: Extension by up to 500mm (surcharge) (item no. 11035)
- EP800: Extension by 1 piece blow-in module (art.-no. 11030)
- VS: Amplifier station module amplifier VS40 (Art.-No. 10309) or VS: Amplifier/extraction station VS55 Mobil (Art.-No. 9455) or VS: Amplifier/extraction station VS75 Mobil (Art.-No. 9793), recommended for the processing of wood fibre and rock wool with hose lengths of more than 30-40m between the blow-in machine and blow-in panel plus
- Fixed piping NW90 (3½") (Art.-No. 10645)
- Control cable 50m for linking EM4XX -> blowing plate (Art.-No. 8618)
- EP: Additional package for integration of the EP into a factory filling system (art.-no. 8617)
- PLC: LAN-to-WLAN industrial router (aluminium housing) (item no. 8498)
- PLC: EL6001, serial communication interface (item no. 9884)

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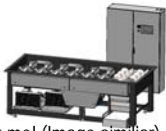
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11 Factory filling systems Blowing plates, big bale shredder, etc.

WB: GBA2000 Big bale shredder for factory filling of timber frame elements.

Art. 11065

WB: GBA2000 barge bale opener for factory filling systems



Klick me! (Image similar)

Technical data:

- Air generator 2 pieces 5-stage turbines, motor power 5.5kW or 7.5kW, maximum dynamic pressure up to 600mbar, air volume free-blowing up to 2 x 300m³/h.
- Power adjustable via frequency converter 7.5kW.
- Rotary valve with outlet NW90 (3½") and 6 valve chambers, gross volume approx. 30.6 litres (for comparison: EM400 series approx. 21 litres), motor power 1.1 kW, speed adjustable via frequency converter.
- Easy maintenance due to integrated pull-out device.
- Material quantity dosing via feed gate, motor power approx. 0.1kW, electronically adjustable in stages via PLC control
- Optimised loosening through separately driven fine loosening unit above the rotary valve consisting of 2 high-speed loosening shafts, motor power 1.4 kW, infinitely variable adjustment via frequency converter
- Loosening unit consisting of 8 solid crushing shafts, driven by 2 motors, 2.2kW each, speed infinitely variable via frequency converters.
- The system is designed for a bale drop height of up to 2m based on standard large bales (up to 350kg)
- Dimensions:
 - External dimensions: Height above floor approx. 1,050mm, width approx. 1,500mm, length approx. 3,000mm
 - Internal dimensions: Height above floor approx. 800mm, width approx. 1,300mm, length approx. 2,860mm
- Supplier's declaration included
- Electrical wiring via a separate control cabinet, cable length 3m, maximum distance control cabinet-GBA2000 is 2m.
- Dimensions: approx. 1,200mm x 1,800mm x 400mm (width x height x depth)
- Power connection: 400V/50-60Hz/ approx. 45A
- Incl. gravimetric recording and logging of the processed insulation material quantity via 4 shear beam load cells mounted underneath the machine frame in conjunction with an EP800 blow-in plate.
- Control via EP800 blow-in plate. Maintenance operation possible via the control unit integrated in the control cabinet.
- Production output
 - a) based on wood fibre thermal insulation material: 500 - 1,400 kg/h, depending on the required installation density, material properties, compartment volume and other system parameters
 - b) based on cellulose thermal insulation material: 1,200 - 2,400kg/h, depending on the required installation density, material properties, compartment volume and other system parameters
- Empty weight: approx. 1,200kg
- Interface to the higher-level control of the handling system is via an EtherCAT bus connection (Beckhoff) and is located on the EP800.
- Remote maintenance possible
- Filling level can be estimated via the integrated gravimetric detection
- Operation, error analysis and display via screen or touch panel

Electrical connection data:

- Rated output between 18kW (based on air generator 2 x 5.5kW) and 22kW (based on air generator 2 x 7.5kW), depending on version.

Notes:

- Filling attachment/bunker is not included in the scope of delivery. The complete function requires a filling attachment provided by the customer. The entire system consisting of the large bale shredder and filling attachment must be subjected to a risk assessment in accordance with Machinery Directive 2006/42/EC. Price on request / self-construction possible
- Outlet and operating side by prior arrangement

WB: GBF1050 Access ramp for GBF with weighing system

Art. 8127



Klick me! (Image similar)

This access ramp levels out the height difference between floor and lifting table. By this, the filling process of the GBF can be performed without height difference.

Technical details:

- Dimensions: 1300mm x 300mm x 30mm (W x D x H), edge: 2mm
- Weight: approx. 5 kg
- Material: hardwood / multiplex
- Good stability up to max. 800kg with a surface pressure of >100mm face width
- Intended for indoor use / without humidity

WB: GBF1050 Bale Conditioning Machine

Art. 4628



Klick me! (Image similar)

Machine for shredding and dosing of loose insulation material stacked or pressed into big bales such as cellulose or wood fibre insulation material into an insulation blowing machine.
Suitable for big bales on pallets (various dimensions).
Integrated Master-Slave control for being switched on and off via the insulation blowing machine.

Technical details:

- Weight: approx. 1220 kg
- Dimensions: approx. 2165 x 1880 x 3200 (L x W x H) (height without signal lamp)
- Inner dimensions for bale goods: approx. 1200 x 1200 x 2300 (L x W x H)
- Power supply: 400V / 50Hz
- Inside the bale conditioning machine, frequency guided drives are installed. The electrical connection must be made according to the applicable national electrical regulations.
- Rated power: 2,5 kW
- Production capability: up to 5 cycles/hour
- (depending on the type of bale goods, about approx. 1500kg/h)

Options / accessories:

- GBF-Underframe insulation blowing machine (prod. no. 4439)

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11 Factory filling systems Blowing plates, big bale shredder, etc.

- WB: GBF weighing system with increased accuracy (art. No. 8157)
- WB: GBF weighing system with increased accuracy, storage on USB stick (item no. 11270)
- Elektro: Signal lamp green / orange / red (prod. No. 6665)
- GBF1050: Additional package for integrating the bale conditioning machine into a factory filling system (prod. No. 8616)
- GBF1050 Additional control output (24V DC) (prod. No. 7961)
- GBF1050 Additional control input (24VDC) (prod. No. 7959)
- GBF: Upgrade double-leaf doors (prod. No. 7534)
- WB: GBF1050 Access ramp for GBF with weighing system (prod. No. 8127)

WB: GBF Underframe insulation blowing machine**Art. 4439**

Use: frame for joint weighing of the bale conditioning machine with the insulation blowing machine



Klick me! (Image similar)

WB: GBF weighing system**Art. 4437**

Klick me! (Image similar)

Module for determining the amount of processed insulation material.

Included in the delivery contents:

- 4x shear beam load cell
- 4x packing plate for assembling the weighing cell
- 4x supporting foot
- 1x clamp and trim box
- 1x evaluation electronic

Options:

- Weighing system's connection to an insulation blowing panel EP1050 (prod. no. 6958)
- Display 311x173 (prod. no. 7957)
- Display 311x173, wall mount (prod. no. 7958)

WB: GBF weighing system with increased precision**Art. 8157**

Klick me! (Image similar)

Module for determining the amount of processed insulation material.

Included in the delivery contents:

- 4x shear beam load cell
- 4x packing plate for assembling the weighing cell
- 4x supporting foot
- 1x clamp and trim box
- 1x evaluation electronic

Options:

- Weighing system's connection to an insulation blowing panel EP1050 (prod. no. 6958)
- Display 311x173 (prod. no. 7957)
- Display 311x173, wall mount (prod. no. 7958)

WB: GBF weighing system with increased accuracy, storage on USB stick**Art. 11270**

Klick me! (Image similar)

Weighing system for determining the amount of insulation material processed.

The creation of blow-in projects, e.g. individual elements or a logical group of elements and their activation is done directly at the weighing terminal.

Saving of individual weighing results to the USB stick placed in the terminal can be done externally via the digital inputs and outputs, by means of a remote button or appropriately programmed X-Floc (radio) remote control.

The weighing results are stored in tabular form in a CSV file, which can be evaluated with suitable software, e.g. spreadsheet.

Included in delivery:

- 4 pcs. Load cell up to 750.0kg (stainless steel) (item no. 10270)
- 4 pcs. Oscillating metal base / VA up to 2t (with height adjustment) (10622)
- 1 pc. Terminal box ZPK4 (item no. 4878) incl. 12 m shielded measuring cable
- 1 pc. Evaluation unit 83sigma (12-25V) (Art.-No. 11228)
- 1 pc. Evaluation unit 83sigma: Digital inputs/outputs (art.-no. 11235) incl. 4 m connection cable
- 1 pc. 83sigma evaluation unit: USB data logger IP65 (11237)
- 1 pc. Evaluation unit 83sigma: Programming of print image/weighing sequence/data record (art.-no. 11238)

Options:**Protective hose with Velcro fastener for cable package blowing machine - blowing panel****Art. 11472**

Klick me! (Image similar)

Tear-resistant, robust fabric hose with Velcro fastener to protect cables and lines from mechanical stresses such as abrasion, chafing, pressure points.

Suitable for protecting the cable package between the insulation blowing machine and the blowing panel related to a hose line NW90 (3½") incl. compressed air line, mains cable for blowing panel and module amplifier and control cable.

Material: Nylon yarn with polyurethane coating and Velcro tape.

Protective properties: Uv-, ozone-resistant, oil-resistant and very good flame resistance.

Length: running metres in one piece

Application range: -40 to +120°C

Inner diameter: approx. 125 mm

11 Factory filling systems Blowing plates, big bale shredder, etc.

+++ From 10m length 10% discount +++

WB: System EM430 + EP800 for factory filling of wooden frame elements**Art. 10136**

Factory filling system including insulation blowing machine, blowing panel based on 5 spring-mounted blow-out nozzles, automatic logging of all relevant blow-in parameters. Incl. 40m transport hose (with earthing strand) and 50m connecting line between blow-in machine and blow-in panel.

The factory filling system consists of components which can be used individually and complies with the applicable machinery directive (CE conformity). The system, which is linked from several components, forms an independent system which also has CE conformity.

Technical data insulation blowing machine and blowing plate:

- Technical data blow-in machine EM430 see brochure.
- Dimensions (standard): approx. 3,000x900x500mm (LxWxH, different lengths possible, see options and "Technical data blow-in panel EP800")
- Weight: approx. 280-400kg (depending on length and options)
- Power supply: 230V/50Hz/16A
- Compressed air supply: filtered compressed air required, pressure 6-10 bar at approx. 55l/min
- Number of spring-loaded injection nozzles: 5 pieces (different number possible/required, see options)
- Hose connection and internal tubing: NW90 (3½")
- Throughput: depending on the blow-in thermal insulation material used and the upstream blow-in machine, up to 1,800kg/h
- Control: PLC panel PC (Beckhoff) with touch display (alternatively with wireless tablet PC on request).
- Quality control: Automatic in conjunction with optional weighing unit of the blow-in machine or GBF or GBA or GBL
- Networking with X-Floc injection machines for an automatic injection process possible.
- Blowing-in process: System-guided / Automatic

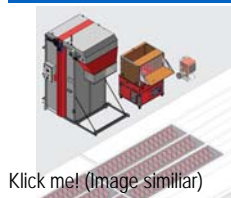
Factory filling plant, consisting of:

01. EM 430-400V/9,5kW High-powered insulation blowing machine (prod. no. 5802)
02. EM4XX/5XX: Additional option DS - Adjustable airlock rotation speed (prod. no. 5060)
03. EM4XX: Additional package for integrating the insulation blowing machine into a factory filling system (prod. no. 8615)
04. WB: EP800-NW75-Blowing Panel for industrial element filling (prod. no. 7992)
05. EP: Additional package for integrating the insulation blowing panel (EP) into a factory filling system (prod. no. 8617)
06. Control cable 50m for interlinking EM4XX -> Blowing panel (prod. no. 8618)
07. Conveyor hose NW90 (3½") with flexible earthing braids, L = 20m (2 pcs. Art.-Nr. 8911)
08. Hose connector NW90 (3½") stainless steel (Art.-Nr. 1452)
09. Hose clamp NW90 (3½") (4 pcs. Art.-Nr. 1923)

Options:

- Protective hose with Velcro fastener for cable package blow-in machine - blow-in panel (art. no. 10291, e.g. 16m).
- EP800: Surcharge for built-in panel PC with 10.1" touch screen instead of 7.0" (Art.-No. 10843)
- EP800: Extension by 500mm (surcharge) (Art. No. 11035)
- EP800: Extension with 1 piece injection module (Art. No. 11030)
- Direct reducer piece NW90>75 (3½">3") (EM4XX-NW90 after year 06/2018) (Art.-Nr. 8936)
- EM4XX: Additional option hopper top piece V=0,914m³ (Art.-Nr. 8522)
- Accessories set NW75/63 for loose-fill insulation (nonabrasive) (Art.-Nr. 5246)
- Accessories set NW90/75 for loose-fill insulation (nonabrasive) (Art.-Nr. 9188)
- VS: Amplifier station module amplifier VS40 (Art.-Nr. 10309) or VS: Amplifier- / Suction station VS55 mobil (Art.-Nr. 9455)
- of VS: Amplifier- / Suction station VS75 mobil (Art.-Nr. 9793), recommended for the processing of wood fibre and rock wool for hose lengths of more than 30-40m between the insulation blowing machine and the blowing panel
- VS: Connection set for amplifier NW63/NW90>NW90 (Art.-Nr. 7870)
- VS: Suction drum V = 115L (Art.-Nr. 1160)
- VS: Suction drum V=250L (Art.-Nr. 3075)

Costs in addition with delivery, commissioning, training and modification on the respective insulation materials and applications.

WB: System EM430 + GBF1050 for factory filling of wooden frame elements**Art. 10135**

Factory filling system including insulation blowing machine big bale milling machine and automatic refilling via ultrasonic level sensor.

The factory filling system consists of components which can be used individually and complies with the applicable machinery directive (CE conformity). The system, which is linked from several components, forms an independent system which also has CE conformity.

Factory filling plant, consisting of:

01. EM 430-400V/9,5kW High-powered insulation blowing machine (prod. no. 5802)
02. EM4XX/5XX: Additional option DS - Adjustable airlock rotation speed (prod. no. 5060)
03. EM4XX: Additional package for integrating the insulation blowing machine into a factory filling system (prod. no. 8615)
04. Control cable 5m for interlinking EM4XX -> Bale conditioning machine (prod. no. 8619)
05. WB: GBF1050 Bale Conditioning Machine (prod. no. 4628)
06. GBF1050: Additional package for integrating the bale conditioning machine into a factory filling system (prod. no. 8616)
07. WB: GBF Underframe insulation blowing machine (prod. no. 4439)
08. WB: GBF1050 Access ramp for GBF with weighing system (prod. no. 8127)

Options:

- WB: GBF weighing system with increased precision (Art.-Nr. 8157)
- Electrics: Signal lamp green / orange / red (Art.-Nr. 6665)
- Direct reducer piece NW90>75 (3½">3") (EM4XX-NW90 after year 06/2018) (Art.-Nr. 8936)
- VS: Amplifier- / Suction station VS55 mobil (Art.-Nr. 9455)

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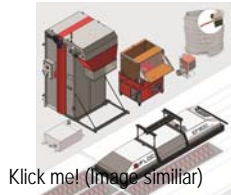
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11 Factory filling systems Blowing plates, big bale shredder, etc.

- VS: Amplifier- / Suction station VS75 mobil (Art.-Nr. 9793)
- VS: Connection set for amplifier NW63/NW90>NW90 (Art.-Nr. 7870)
- VS: Suction drum V = 115L (Art.-Nr. 1160)
- VS: Suction drum V=250L (Art.-Nr. 3075)

Costs in addition with delivery, commissioning, training and modification on the respective insulation materials and applications.

WB: System WBS800 for factory filling of wooden frame elements (complete system)**Art. 8934**

Complete factory filling system including insulation blowing machine, blowing panel based on 5 spring-mounted blow-out nozzles and big bale milling machine with weighing, automatic logging of all relevant blow-in parameters and the installed insulation masses, incl. 40m transport hose (with earthing strand) and 50m connecting line between blow-in machine and blow-in panel.

The factory filling system consists of components which can be used individually and complies with the applicable machinery directive (CE conformity). The system, which is linked from several components, forms an independent system which also has CE conformity.

Technical data for the entire system:

- Production capacity between 500 and 1,800 kg/h, depending on the insulation material used and the installation density selected.
- Continuous pipe cross-section of NW90 (3½") (blow-out connection blow-in machine - hose line - blow-in plate).

Technical data blow-in plate EP800:

Technical data:

- Dimensions (standard): approx. 3,000x900x500mm (LxWxH, different lengths possible, see options and "Technical data blow-in plate EP800").
- Weight: approx. 280-400kg (depending on length and options)
- Power supply: 230V/50Hz/16A
- Compressed air power supply: filtered compressed air required, pressure 6-10 bar at approx. 55l/min
- Number of spring-loaded injection nozzles: 5 pieces (different number possible/required, see options)
- Hose connection and internal tubing: NW90 (3½")
- Throughput: depending on the blow-in thermal insulation material used and the upstream blow-in machine, up to 1,800kg/h
- Control: PLC panel PC (Beckhoff) with touch display (alternatively with wireless tablet PC on request).
- Quality control: Automatic in conjunction with optional weighing unit of the blow-in machine or GBF or GBA or GBL
- Networking with X-Floc blow-in machines for an automatic blow-in process possible.
- Blowing-in process: System-guided / Automatic

Factory filling plant, consisting of:

01. EM 430-400V/9,5kW High-powered insulation blowing machine (prod. No. 5802)
02. EM4XX/5XX: Additional option DS - Adjustable airlock rotation speed (prod. No. 5060)
03. EM4XX: Additional package for integrating the insulation blowing machine into a factory filling system (prod. No. 8615)
04. Control cable 50m for interlinking EM4XX -> Blowing panel (prod. No. 8618)
05. WB: EP800-NW90-Blowing Panel for industrial element filling (prod. No. 7992)
06. Control cable 5m for interlinking EM4XX -> Bale conditioning machine (prod. No. 8619)
07. EP: Additional package for integrating the insulation blowing panel (EP) into a factory filling system (prod. No. 8617)
08. WB: GBF1050 Bale Conditioning Machine (prod. No. 4628)
09. GBF1050: Additional package for integrating the bale conditioning machine into a factory filling system (prod. No. 8616)
10. WB: GBF Underframe insulation blowing machine (prod. No. 4439)
11. WB: GBF weighing system with increased precision (prod. No. 8157)
12. Auswertegerät 82b-1: Addon-Card analog output (prod. No. 9833)
13. WB: GBF1050 Access ramp for GBF with weighing system (prod. No. 8127)
14. Conveyor hose NW90 (3½") with flexible earthing braids, L = 20m (2 pieces, prod. No. 8911)
15. Hose connector NW90 (3½") stainless steel (1 piece, prod. No. 1452)
16. Hose clamp NW90 (3½") (5 pieces, prod. No. 9908)

Options:

- Protective hose with Velcro fastener for cable package blowing machine - blowing panel (Art. No. 10291, for example 16m)
 - EP800: Surcharge for built-in panel PC with 10.1" touch screen instead of 7.0" (Art. No. 10843)
 - EP800: Extension by up to 500mm (surcharge) (Art. No. 11035)
 - EP800: Extension with 1 piece injection module (Art. No. 11030)
 - VS: Amplifier station module amplifier VS40 (Art.-Nr. 10309) or VS: Amplifier- / Suction station VS55 mobil (Art.-Nr. 9455)
 - of VS: Amplifier- / Suction station VS75 mobil (Art.-Nr. 9793), recommended for the processing of wood fibre and rock wool for hose lengths of more than 30-40m between the insulation blowing machine and the blowing panel
 - VS: Anschluss-Set für Verstärker NW63/NW90>NW90 (Art.-Nr. 7870)
 - Electrics: Signal lamp green / orange / red (prod. No. 6665)
- Note: Display of the fill level included in the user interface of the injection plate from approx. 04/2021).
- Fixed piping NW90 (3½") (Art.-No. 10645)

Costs plus delivery, commissioning, training and adjustment to the respective blow-in thermal insulation materials and applications.

Delivery list with illustrations

Last updated: 20.03.2024

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11	Factory filling systems	Blowing plates, big bale shredder, etc.
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[WB: Weinmann-Integration EP800](#)

Art. 12012

English version in preparation:



Klick me! (Image similiar)

12	Miscellaneous	Diverse articles
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[ZZZ: Many more items on request.](#)

Art. 1533

We are happy to give further information, please ask.



Klick me! (Image similiar)

Conditions de vente et de livraison X-Floc Dämmtechnik-Maschinen GmbH (état en 2015)

I. Application

1. Les conditions suivantes sont applicables pour toutes les fournitures et prestations, qu'il s'agisse dans le cas individuel d'un contrat d'achat ou d'un contrat entreprise ou encore de tout autre contrat.
2. Les présentes conditions de vente et de livraison s'appliquent de façon exclusive; le fournisseur ne reconnaît pas les conditions du client (celui qui passe commande) qui sont contraires à ces conditions ou qui, en différent, à moins qu'il n'ait accepté expressément leur validité par écrit. Les présentes conditions de vente et de livraison s'appliquent également quand le fournisseur ayant connaissance de ce que les conditions du client sont contraires aux siennes ou divergentes de celles-ci effectue la livraison ou la prestation au client sans réserve.
3. Les présentes conditions de vente et de livraison s'appliquent aussi à toutes les transactions futures avec le client, même si elles n'ont pas l'objet d'un accord exprès.

II. Conclusion du contrat, modifications du contrat, cession

1. Les documents faisant partie de l'offre (p. ex. illustrations, plans) ainsi que les données concernant la nomenclature de la fourniture, l'aspect, la performance, les dimensions et les poids, la consommation de produits de fonctionnement, les frais d'exploitation etc. sont réputés n'être qu'approximatifs dans la mesure où il n'a pas été formellement stipulé qu'ils étaient engageants. Le fournisseur se réserve les droits d'auteur et de propriété pour les devis, plans et autres documents. Ces derniers ne doivent pas être mis à la disposition de tiers et ils sont à restituer sur demande.
2. Le contrat est réputé être conclu lorsque le fournisseur a confirmé l'acceptation de la commande par écrit ou lorsqu'il a commencé la réalisation de la fourniture ou de la prestation. Si le fournisseur a soumis une offre liée à un délai de validité, le contrat est réputé conclu par l'acceptation écrite de l'offre de la part de l'acheteur dans les délais impartis.
3. Les clauses annexes stipulées oralement lors de la conclusion du contrat et les modifications du contrat requièrent, pour être valides, la confirmation écrite du fournisseur. Les fautes d'écriture ou de calcul manifestes peuvent être corrigées ultérieurement.
4. L'acheteur n'est pas autorisé à céder ses droits ou créances découlant du présent contrat. Il n'est cependant pas dérogé à l'article (§) 354a HGB (Code du commerce allemand).

III. Prix

1. Les prix s'entendent ex usine, y compris chargement, emballage toutefois exclu, la taxe à la valeur ajoutée en plus conformément aux réglementations en vigueur dans le pays où a lieu la fourniture ou la prestation. Dans la mesure où la rétribution du fournisseur n'a pas été pas fermement convenue, ce sont ses prix valables au jour de la livraison qui feront foi.
2. Les prestations d'ingénierie, le montage et la mise en service seront facturés séparément. La facturation peut être forfaitaire ou être effectuée sur dépenses effectives, les frais de déplacement, de restauration et d'hébergement ainsi que les heures supplémentaires et les indemnités pour dimanches et jours fériés en plus.
3. Les révisions de prix sont admissibles pour autant que plus de 6 mois se soient écoulés entre la conclusion du contrat et le délai de livraison. Le fournisseur est en droit de procéder à un ajustement des prix de manière telle que le nouveau prix par rapport au prix convenu à l'origine se comporte de la même façon que le prix de la fourniture et de la prestation selon la liste de prix en vigueur à la date de la livraison comparé au prix de la fourniture selon la liste de prix en vigueur à la date de la conclusion du contrat. En ce qui concerne les autres prestations et fournitures ne figurant pas dans la liste des prix, le fournisseur est en droit de procéder à un ajustement des prix raisonnable et justifié par les circonstances.
4. Lorsque les prix comportent des coûts et taxes qui viendraient à augmenter après conclusion du contrat ou à être dus en plus après conclusion du contrat, le fournisseur est en droit de facturer ces surcoûts à l'acheteur.
5. Pour autant que le fournisseur accepte d'échanger une marchandise sur demande de l'acheteur, le fournisseur est en droit de facturer les frais occasionnés, ou tout au moins le montant correspondant à la détérioration de la valeur survenue suite au vieillissement et à l'utilisation plus 10% du prix convenu de l'objet de la livraison convenu à l'origine, ce-ci dans le but d'indemniser les dépenses encourues par le fournisseur du fait de l'échange. Le fournisseur ne peut pas exiger le forfait visé ci-dessus lorsque l'acheteur fournit la preuve qu'il n'y a pas eu de préjudices et de dépenses ou que ces préjudices et ces dépenses ne sont que très faibles.

IV. Paiement, retard de paiement, compensation, retenue

1. A moins qu'il n'en ait été convenu autrement, les livraisons de machines et les pièces de rechange sont payables immédiatement après de la livraison et les prestations de service dans les 14 jours suivant la date de la facture, sans déduction.
2. Toutes les créances sont exigibles immédiatement, même si elles ont fait l'objet d'un sursis ou d'une prorogation du délai de paiement, dès que l'acheteur est en retard de plus de 5 jours ouvrés dans l'exécution de ses obligations, même partielles, ou dès qu'apparaît une situation diminuant considérablement la réputation de solvabilité de l'acheteur (p. ex. déconfiture, retards ou cessation de paiements, surendettement, baisses de notation de solvabilité par une assurance crédit, protêt de chèques ou de traites, demande d'ouverture de la procédure de liquidation ou encore ouverture ou refus de cette dernière). Dans ce cas, le fournisseur peut refuser tous les livraisons et prestations ultérieures et exiger la constitution de sûretés adéquates pour couvrir ses créances.
3. Le paiement par traite requiert un accord particulier. Les traites et les chèques sont seulement acceptés sous réserve de paiement. Les frais d'encaissement et d'escompte sont à la charge de l'acheteur. Pour les paiements par traite et pour les paiements ayant dépassé le terme, il n'est pas accordé d'escompte même s'il en avait été convenu autrement auparavant.
4. L'acheteur n'a le droit de compenser les créances du fournisseur que contre des créances non contestées ou ayant été constatées juridiquement par décision ayant acquis force de chose jugée. L'acheteur ne peut se prévaloir d'un droit de retenue que si sa contreprestation est fondée sur le même contrat et si elle n'est pas contestée et constatée juridiquement par décision ayant acquis force de chose jugée ou encore si le fournisseur a manqué de manière grave à ses obligations découlant de ce même contrat. L'acheteur conserve toutefois son droit de retenir une partie raisonnable du prix d'achat pour raison de vices de la prestation du fournisseur.
5. Le non-respect des échéances de paiement de la part de l'acheteur entraînera l'application d'intérêts au taux de l'intérêt de base majoré de 9,9% sur les créances du fournisseur sans préjudice de tout autre droit à la demande de dommages-intérêts du fournisseur.
6. Lorsque la situation financière de l'acheteur se détériore comme décrit dans l'article IV, alinéa 2., le fournisseur est en droit de résilier le contrat à l'issue d'un délai adéquat fixé à l'acheteur pour qu'il constitue des garanties d'un montant raisonnable si ce dernier ne s'est pas exécuté. Le fournisseur conserve tous ses autres droits, par exemple celui à dommages-intérêts. Toute prétention à la réparation du préjudice de la part de l'acheteur est exclue.

V. Délai de livraison, prestations partielles, retard d'acceptation, résiliation et réserves par le fournisseur et droits à dommages-intérêts du fournisseur

1. Les délais de livraison et de montage commencent à courir lorsque le fournisseur et l'acheteur se sont mis d'accord sur tous les détails de l'exécution et sur toutes les conditions du marché et pas avant que le fournisseur n'ait confirmé la commande. Ils sont sus-pendus tant que l'acheteur ne s'est pas acquitté de ses obligations de coopération découlant du présent contrat (p. ex. fourniture de documents, mises à disposition de matériel, autorisations, validations) ou qu'un acompte convenu n'a pas encore été versé.
2. Le délai de livraison est réputé être respecté lorsque l'objet de la livraison a quitté l'usine ou qu'il a été notifié à l'acheteur que la marchandise était prête à l'expédition avant expiration du délai.
3. Le délai de livraison est prolongé d'une durée appropriée en cas de force majeure, de grèves, de lock-out et d'autres circonstances de caractère inhabituel et indépendants de notre volonté, ainsi qu'en cas de retard d'un des sous-traitants du fournisseur de quoi le fournisseur n'est pas garant, dans la mesure où il est prouvé que ces circonstances influent sur le délai de livraison. En cas de prestation non effectuée, incorrecte ou non effectuée dans les délais par l'un des sous-traitants de laquelle le fournisseur n'a pas à répondre, le fournisseur peut dénoncer le contrat quand il ne peut pas effectuer la prestation du fait de l'événement ou que, de ce fait, il ne peut pas non plus effectuer la prestation après report approprié du délai de livraison, comme mentionné à la phrase précédente. En outre, le fournisseur peut dénoncer le contrat quand il ne peut pas se procurer ou, le cas échéant, quand il ne peut pas se procurer à des conditions adéquates la prestation d'un sous-traitant de laquelle il a

besoin pour sa prestation (une pièce, un agrégat, un composant ou un châssis, par ex.) et ce pour des raisons propres au champ d'activité du client, le cas échéant, aux modalités de la prestation que le fournisseur effectue pour le client (eu égard à la personne du client ou au pays destinataire de la prestation, par ex.). Dans les cas susmentionnés de dénonciation, toute demande en indemnisation de la part du client est exclue.

4. Si l'exécution de la prestation du fournisseur est retardée, ce dernier n'est toutefois pas constitué en demeure tant que ceci est dû à des faits qu'il n'a pu prévoir et empêcher en apportant le soin attendu de bon droit et qu'il n'a pu les surmonter en prenant des mesures pouvant être exigées de lui.
5. Le fournisseur est en droit de retenir sa prestation tant que l'acheteur ne s'est pas acquitté de ses obligations envers lui et résultant du présent ou de tout autre contrat ou tant qu'il ne satisfait pas à un autre motif juridique.
6. Les prestations partielles sont admissibles dans la mesure où elles sont censées être acceptables pour l'acheteur. Elles sont réputées être des actes juridiques indépendants qui peuvent donner lieu à une facturation séparée.
7. Si les conditions de paiement ne sont pas respectées, si la fourniture n'a pas été prise dans les délais impartis ou si sa réception a été refusée, ou si des sûretés convenues ou dues aux termes de l'article IV, alinéa 2 n'ont pas été constituées, le fournisseur est en droit de résilier le contrat et de demander des dommages-intérêts lorsque le délai supplémentaire raisonnable imparti n'a pas abouti. Si dans de tels cas, l'acheteur doit des dommages-intérêts au fournisseur par principe, ce dernier pourra exiger des dommages-intérêts d'un montant de 25% de la valeur de la commande pour des produits de série et de 75% de cette valeur pour des productions sur mesure sans fournir de justificatif, sauf si l'acheteur prouve que le préjudice occasionné est inférieur à cette somme ou nul, ceci sous réserve de la prétention à faire valoir un préjudice plus important sur présentation d'un justificatif.
8. Si l'expédition est retardée sur demande de l'acheteur, le fournisseur peut facturer soit les frais de stockage et de maintenance effectivement occasionnés soit un forfait d'un montant de 0,5% du montant de la facture par mois ; ceci n'étant toutefois pas applicable si l'acheteur apporte la preuve que le fournisseur n'a pas subi de préjudice et n'a pas encouru de dépenses ou seulement dans un cadre minimal. Il n'est toutefois pas fait dérogation aux obligations de paiement de l'acheteur.
9. L'exécution du contrat de la part du fournisseur est faite à la réserve qu'aucun obstacle ne s'oppose à son exécution ni en raison de dispositions nationales ou internationales du droit du commerce extérieur ni en raison d'embargos (et/ou autres sanctions). En cas de tels obstacles, toute demande en indemnisation de la part du client est exclue.

VI. Transfert des risques, expédition et réception

1. Les risques sont transférés à l'acheteur au plus tard au moment de l'expédition de l'objet de la livraison. Ceci s'applique également en cas de livraison partielle ou lorsque le fournisseur a pris à sa charge les frais d'expédition ou de montage ou se charge lui-même de l'enlèvement. Il n'assume aucune responsabilité pour un affrètement plus avantageux ou la durée du transport.
2. En cas de retard de la livraison, de l'expédition ou de la prise de l'objet de la livraison de la part de l'acheteur, pour des raisons qui ne sont pas imputables au fournisseur, tous les risques – y compris le risque de détérioration ou de perte de l'objet de la livraison, ainsi que tous les risques émanant de lui-même – sont transférés à l'acheteur à compter de la notification que la fourniture est prête à expédier ou à compter de l'avis que la fabrication est terminée.
3. Sur demande écrite, l'envoi est assuré aux frais de l'acheteur avec la couverture désirée.
4. L'acheteur est responsable de tous les dommages causés par sa faute lors de la prise de livraison ou avant la prise de livraison de l'objet de la livraison (p. ex. essai, réception à effectuer etc.).
5. L'acheteur devra prendre livraison des objets livrés, même entachés de vices, sans préjudice de ses droits.

VII. Recours en garantie pour vices de la marchandise, garantie, délai de garantie

1. Il appartient à l'acheteur d'examiner l'objet de la livraison à la réception et de dénoncer les vices et défauts par écrit dans les plus brefs délais. D'autre part, l'acheteur devra, avant toute mise en service, examiner l'objet de la livraison pour détecter les vices et défauts éventuels et s'assurer que ce dernier est sûr et en bon état de marche. L'objet ne doit pas être utilisé s'il existe le moindre doute en ce qui concerne l'état de marche et en-core plus la sécurité. Le fournisseur est alors à informer par écrit dans les plus brefs délais dans le cadre d'un recours en garantie en indiquant les doutes ou le défaut. L'acheteur accordera au fournisseur le temps nécessaire et la possibilité de procéder à toutes les remises en conformité et aux livraisons de remplacement que le fournisseur juge nécessaires. Dans le cas contraire, le fournisseur est délié de la responsabilité pour les conséquences susceptibles d'en résulter.
2. Si la prestation du fournisseur présente un défaut de conformité au moment du transfert des risques, le fournisseur procédera à une mise en conformité, à son choix soit par réparation du défaut soit par livraison d'une marchandise exempte de vices en remplacement de la marchandise qui a été livrée avec un défaut de conformité. Les pièces remplacées passent en possession du fournisseur. Si la mise en conformité en raison d'un défaut n'est pas possible, si elle échoue définitivement, si elle est censée être inacceptable pour l'acheteur ou si le fournisseur refuse les deux formes de la mise en conformité ou encore si un délai supplémentaire raisonnable imparti au fournisseur pour procéder à la mise en conformité s'est écoulé sans aboutir, l'acheteur est en droit de réduire la rémunération du fournisseur ou, à son choix, de résilier le contrat. S'il s'agit toutefois d'un défaut insignifiant, l'acheteur peut seulement réduire la rémunération.
3. Dans l'hypothèse que le fournisseur aurait dissimulé un défaut frauduleusement ou accordé une garantie pour la substance même de la chose, les dispositions légales feraient foi.
4. Des réparations effectuées par l'acheteur ou par des tiers sans concertation préalable du fournisseur entraînent la déchéance de tous les droits à la garantie envers le fournisseur. Les coûts résultant d'une réparation par l'acheteur ou des tiers sans accord préalable formel du fournisseur ne seront pas pris en charge par le fournisseur. Ceci n'est pas applicable pour les cas urgents, et en particulier pour ceux qui ne peuvent pas être différés, quand il y a un danger pour la sécurité de l'exploitation ou quand il s'agit d'empêcher des dommages d'une ampleur incomparablement grande. Dans ces cas, le fournisseur est à informer dans les plus brefs délais et il devra seulement rembourser les coûts nécessaires encourus.
5. Le fournisseur n'assume pas de responsabilité pour les préjudices subis, en particulier dans les cas suivants : utilisation inappropriée ou non-conforme, montage défectueux ou mise en service incorrecte par l'acheteur ou des tiers, usure naturelle, traitement incorrect ou négligé, entretien non-conforme, sollicitation excessive, moyens de production et matières de remplacement non appropriés, travaux imparfaits, sol de fondation inapproprié, influences chimiques, électrotechniques, électroniques ou électriques. Cette exclusion ne s'applique toutefois pas dans la mesure où les préjudices sont imputables au fournisseur en application précise de la clause de l'article VIII, alinéa 5. La responsabilité du fournisseur n'est également pas engagée, en particulier pour les mesures et actes suivants de l'acheteur ou de tiers ainsi que de leurs conséquences : réparations non-conformes, modification de l'objet de la livraison sans accord préalable du fournisseur, ajout et montage de pièces, en particulier de pièces de rechange qui ne proviennent pas du fournisseur ou qui n'ont pas été expressément approuvées pour le montage ainsi que la non-observation de la notice de service et d'exploitation.
6. Le fournisseur n'accorde pas de garantie pour le matériel fourni par l'acheteur ou approvisionné sur la base des spécifications de l'acheteur, ainsi que pour les constructions prescrites par l'acheteur.
7. En ce qui concerne la vente de machines, d'appareils ou de pièces d'occasion, le fournisseur ne donne pas de garantie pour vices éventuels de la chose. Le fournisseur n'assume aucune qualité et fait remarquer que, dans de nombreux cas, les machines et pièces d'occasion n'ont pas les mêmes qualités – également en ce qui est de leur performance – que les machines et pièces neuves.
8. Les droits de l'acheteur à exécution postérieure et ses éventuels droits à réparation de dommages ou remboursement de frais en cas de défaut se prescrivent après un an, ce délai partant de la livraison de la marchandise en cas de livraison, de la réception en cas de montage, ou de la fin du montage lui-même dans l'hypothèse où aucune réception ne serait prévue. Dans l'hypothèse que le fournisseur aurait dissimulé un défaut frauduleusement ou aurait accordé une garantie pour l'approvisionnement de la chose, les dispositions légales pour la prescription de droits éventuels de l'acheteur à ce sujet feraient foi. Les dispositions légales sont également applicables pour la prescription de droits éventuels à demande de dommages-intérêts de la part de l'acheteur pour

raison de défauts et de vices s'il est attribué au fournisseur d'avoir commis une faute volontaire ou une négligence grossière ou si le droit à demande de dommages-intérêts est fondé sur une atteinte à la vie, au corps ou à la santé.

9. Tous les droits et prétentions de l'acheteur allant au-delà sont exclus, en particulier le droit à demande de dommages-intérêts, et également en ce qui concerne les dommages qui n'ont pas été subis par l'objet de la livraison lui-même. L'article VIII, alinéa 5 est applicable en conséquence.

VIII. Résiliation par l'acheteur, droits à dommages-intérêts de l'acheteur, prescription

1. L'acheteur peut résilier le contrat lorsque le fournisseur n'est définitivement plus en mesure d'exécuter l'ensemble de la prestation avant le transfert des risques. Un droit de l'acheteur de demander des dommages-intérêts à cause de l'impossibilité définitive est exclu, à moins qu'une faute grossière ne soit imputable au fournisseur. Un droit éventuel de demander des dommages-intérêts est limité au dommage prévisible lors de la conclusion du contrat en raison du déroulement habituel des événements, le montant étant plafonné à 15% maximum de la somme du contrat. L'acheteur peut également résilier le contrat lorsque, dans le cas d'une commande d'objets de même nature, l'exécution d'une certaine quantité de la fourniture devient impossible et qu'il a un intérêt fondé à refuser une livraison partielle. Si tel n'est pas le cas, l'acheteur peut réduire la contre-prestation en conséquence.
2. Si cette impossibilité survient pendant le retard de réception de l'acheteur et sans impliquer de faute lourde du fournisseur ou par la faute de l'acheteur, ce dernier reste tenu d'assurer la contre-prestation et ne dispose pas du droit à résiliation aux termes de l'alinéa 1 ci-dessus.
3. L'acheteur peut résilier le contrat lorsque le fournisseur a du retard dans sa prestation dans la mesure où celle-ci est venue à échéance, que l'acheteur a impartiment auparavant un délai supplémentaire raisonnable et que l'absence de prestation est imputable au fournisseur. Un droit de l'acheteur de demander des dommages-intérêts pour cause d'un retard du fournisseur dans sa prestation est exclu, à moins qu'une faute grossière soit imputable au fournisseur. Un droit éventuel de demander des dommages-intérêts est limité au dommage prévisible lors de la conclusion du contrat en raison du déroulement habituel des événements, le montant étant plafonné à 0,5% pour chaque semaine entière de retard, et au total à 5% au maximum de la valeur de la partie de la fourniture globale qui n'a pu être utilisée en temps voulu à cause du retard.
4. Toutefois, l'acheteur conserve le droit –au-delà des cas réglés par les alinéas 1 et 3 précédents– de résoudre le contrat dans le cadre des dispositions légales lorsque le fournisseur a manqué à ses obligations pour une raison qui lui est imputable et que le manquement à ces obligations ne réside pas dans un vice ou un défaut.
5. Tout droit supplémentaire de l'acheteur basé sur des violations d'obligations contractuelles ou sur des actes illicites commis lors de l'exécution du contrat est exclu, en particulier le droit à résiliation et à dommages-intérêts, y compris les dommages-intérêts en remplacement de la prestation et le remboursement de frais, de même qu'au remboursement des dommages de tout ordre, et ce y compris les dommages survenus autrement qu'à l'objet même de la fourniture. Cette exclusion vaut également pour tout autre droit de l'acheteur basé sur un motif légal quelconque, y compris le droit de l'acheteur basées sur la violation d'obligations précontractuelles ou sur des actes illicites commis lors de la négociation ou de la conclusion du contrat. Ces exclusions de la responsabilité sont sans objet si une faute lourde est imputable au fournisseur. D'autre part, ces exclusions de la responsabilité sont sans objet en cas de violation fautive de ses obligations contractuelles essentielles par le fournisseur (ainsi par exemple, d'obligations que le contrat a précisément pour but d'imposer au fournisseur de par son contenu et objet et dont la violation mettrait en danger la finalité même du contrat ; de même que d'obligations dont l'exécution est la base même d'une mise en œuvre correcte du contrat et dont le respect peut être supposé en toute confiance et toute circonstance par l'acheteur). Par ailleurs, ces exclusions de responsabilité ne sont pas applicables pour un droit éventuel de demande de dommages-intérêts de la part de l'acheteur lorsque ce droit est fondé sur une atteinte intentionnelle ou par négligence à la vie, au corps et à la santé. Enfin, ces exclusions de responsabilité ne sont pas applicables dans les cas où la responsabilité est engagée impérativement en vertu de la loi sur la responsabilité du fait des produits pour les dommages corporels ou les dommages matériels à des objets utilisés par des particuliers. Si en vertu des clauses précédentes ou en dérogation des clauses précédentes, également dans d'autres cas sur la base de prétentions contractuelles ou légales – une responsabilité du fournisseur est fondée, celle-ci se limite à la réparation du préjudice prévisible lors de la conclusion du contrat en raison du déroulement habituel des événements et prouvé en détail. Cette limitation de responsabilité n'est toutefois pas applicable pour une responsabilité éventuelle en vertu de la loi sur la responsabilité des produits en raison de vices et défauts de l'objet de la livraison pour les dommages corporels ou les dommages matériels à des objets utilisés par des particuliers. Par ailleurs, cette exclusion de responsabilité n'est pas applicable pour un droit éventuel de demande de dommages-intérêts de la part de l'acheteur lorsque ce droit est fondé sur une atteinte intentionnelle ou par négligence à la vie, au corps et à la santé. Par ailleurs, cette limitation de la responsabilité n'est pas applicable lorsqu'une faute intentionnelle ou une négligence grossière est imputable au fournisseur.
6. Les droits à demande de dommages-intérêts de l'acheteur envers le fournisseur – que ces droits découlent de manquements à des obligations contractuelles, d'actes illégaux commis lors de la formation, de la conclusion et de l'exécution du contrat ou de tout autre motif juridique quelconque – se prescrivent au plus tard avec un an à compter de la fin de l'année de la naissance du droit et au cours de laquelle l'acheteur a eu connaissance des circonstances justifiant le droit et de la personne du débiteur ou devrait en avoir connaissance sans négligence grossière. Cette prescription annule également les droits à dommages-intérêts de l'acheteur envers le fournisseur basés sur tout autre motif légal, y compris ceux basés sur la violation d'obligations précontractuelles ou sur des actes illicites commis lors de la négociation ou de la conclusion du contrat. Dans l'hypothèse qu'une faute intentionnelle ou une négligence grossière serait imputable au débiteur, les dispositions légales feraient foi. Par ailleurs, les dispositions légales sont applicables pour les droits de demande de dommages-intérêts fondés sur une atteinte fautive ou par négligence à la vie, au corps ou à la santé.
7. Toute exclusion ou limitation de la responsabilité du fournisseur englobera également l'éventuelle responsabilité personnelle de ses représentants légaux et collaborateurs. La prescription des droits de l'acheteur envers les représentants légaux du fournisseur et ses collaborateurs est régie par les dispositions de l'alinéa 6 ci-dessus.

IX. Sûretés

1. L'objet de la livraison reste la propriété du fournisseur jusqu'au paiement intégral du prix convenu et de toutes les autres échéances, également futures, découlant de la relation d'affaires avec l'acheteur. Dans l'hypothèse que, dans le cadre du paiement du prix d'achat, une responsabilité du fournisseur serait fondée en ce qui concerne les traites, la réserve de propriété est réputée non éteinte tant que l'acheteur n'a pas honoré intégralement toutes les traites.
2. L'acheteur cesse dès maintenant au fournisseur les créances découlant de la revente de l'objet de la livraison à raison de la valeur de l'objet de la livraison, y compris tous les droits accessoires. L'acheteur est autorisé à recouvrer les créances, le fournisseur conservant toutefois le droit de recouvrer les créances lui-même.
3. À la demande de l'acheteur, le fournisseur s'engage à procéder à la mainlevée des sûretés qu'il a constituées, et ce suivant le choix du fournisseur et à condition que la valeur réalisable des garanties constituées dépasse le total de ses créances issues de leur relation d'affaires de plus de 10%.

4. Tant que l'acheteur s'acquitte de ses obligations envers le fournisseur, il est en droit de disposer de l'objet de la livraison dans le cadre de la gestion régulière des affaires et sous réserve de propriété dans la mesure où les créances sont transmises au fournisseur de manière valide conformément à l'alinéa 2. Les dispositions extraordinaires, telles que saisie, cession à titre de sûreté et toute autre forme de cession, sont inadmissibles. Toute appropriation de l'objet de la fourniture ou de créances cédées au fournisseur, et notamment toute saisie, devra être notifiée sans délai à ce dernier.
5. Pendant la période de la réserve de propriété, l'acheteur peut de plein droit posséder et utiliser l'objet conformément à sa destination. Dans l'hypothèse que l'acheteur se comporterait contrairement aux clauses du contrat, et en particulier lorsque l'acheteur aurait du retard dans ses paiements, ainsi que dans les cas énoncés à l'article IV, alinéa 2, le fournisseur peut toutefois reprendre l'objet de la livraison et révoquer l'autorisation de recouvrer les créances découlant de la revente. L'acheteur doit restituer l'objet de la livraison sans pouvoir faire prévaloir de droits de retenue. Tous les frais liés à la reprise et à l'utilisation sont à la charge de l'acheteur. Le fournisseur est en droit de vendre l'objet de la livraison à l'amiable. Sur la demande du fournisseur, l'acheteur lui communiquera sans délai une liste des créances cédées au fournisseur suivant les dispositions de l'alinéa 2, de même que tous autres documents et informations dont le fournisseur aurait besoin pour faire valoir ses droits; il informera également les débiteurs de cette cession.
6. Pendant la période de la réserve de propriété, l'acheteur doit tenir l'objet de la livraison en bon état et faire effectuer tous les travaux de maintenance et de réparation prévus par le fournisseur dans les plus brefs délais – à l'exception des cas d'urgence – par le fournisseur lui-même ou par un atelier reconnu par le fournisseur.
7. L'exercice du droit de réserve de propriété ainsi que la saisie de l'objet de la livraison par le fournisseur ne sauraient être considérées comme résiliation du contrat.
8. Dans l'hypothèse où la réserve de propriété ou la cession ne serait pas valide selon le droit du pays où se trouve la marchandise, la sécurité se rapprochant le plus de la réserve de propriété ou de la cession dans ce pays serait réputée être convenue. Si le concours de l'acheteur est nécessaire pour cela, il devra accomplir tous les actes juridiques nécessaires à l'ouverture et au maintien de tels droits.

X. Droits de protection

Si le fournisseur doit exécuter sa prestation sur la base de plans, de modèles ou d'échantillons, ou encore en utilisant des pièces mises à la disposition par l'acheteur, l'acheteur se porte garant qu'il n'en résulte pas de violation de droits de protection de tiers. L'acheteur libère le fournisseur de toutes prétentions éventuelles de tiers pour raison de violation de droits de protection et indemnise le fournisseur pour le dommage subi ainsi que pour les frais et dépenses encourus. Si un tiers interdit la fabrication ou la livraison à l'acheteur en se prévalant d'un droit de protection, le fournisseur est en droit d'arrêter les travaux sans examen plus détaillé de la situation juridique. Dans ce cas, le fournisseur peut résilier le contrat et demander indemnisation de son dommage ainsi que de ses frais et dépenses. L'obligation de l'acheteur suivant les phrases 1 à 4 ci-dessus afin de garantir le fournisseur de condamnations et de rembourser les préjudices, frais et dépenses est sans objet au cas où la violation de droits ne lui serait pas imputable. Cependant et en tout état de cause, il n'est pas dérogé aux droits et prétentions du fournisseur inscrits dans la loi.

XI. Contrôle des exportations

Le client doit communiquer au fournisseur dès que possible et au plus tard 2 semaines avant la date de livraison par écrit toutes les informations et données dont le fournisseur a besoin pour respecter les règles applicables du droit du commerce extérieur et pour les autorisations, dans la mesure où il est stipulé dans le contrat que ces obligations incombent au fournisseur. En outre, le fournisseur peut demander ces informations à tout moment. En cas de modifications, le client doit communiquer au fournisseur ces données par écrit dès que possible et au plus tard une semaine avant la date de livraison, en particulier les données de contrôle des exportations et de commerce extérieur. Le client assume la totalité des frais et des dommages causés par l'absence ou l'inexactitude des données ou le retard de réception de celles-ci.

XII. Conformité

Le client ainsi que ses associés, gérants, conseillers d'administration et de consultation, employeurs et autres représentants s'engagent à respecter les dispositions légales et, dans le cadre de leur activité professionnelle relative au présent contrat, à prendre toute mesure préventive pour contrer, en particulier, tous agissements préhensibles et condamnables.

XIII. Activités interdites

Le client ainsi que ses associés, gérants, conseillers d'administration et de consultation, employeurs et autres représentants s'engagent à s'abstenir d'effectuer avec les marchandises du fournisseur les activités suivantes:

- Activités avec des personnes, organisations ou institutions mentionnées sur une liste de sanctions selon les règlements de la CE ou de l'UE ou des dispositions sur les exportations des États-Unis;
- Activités interdites avec des clients dans les pays frappés d'embargo;
- Activités ne disposant pas d'autorisation nécessaire et
- Activités pouvant être à destination finale militaire, en particulier en relation avec les armes ABC.

Si le client contrevient à cet engagement, le fournisseur a le droit au choix ou de dénoncer immédiatement le contrat et/ou de demander une indemnisation.

XIV. Utilisation du logiciel

Dans la mesure où la fourniture inclut un logiciel, il est accordé à l'acheteur un droit non exclusif d'utiliser le logiciel fourni ainsi que les documentations correspondantes. Ce logiciel est remis à l'acheteur pour utilisation sur l'objet de la livraison auquel il est destiné. Une utilisation du logiciel sur plus d'un système est interdite.

L'acheteur n'a le droit de remanier, transformer et traduire le logiciel ou encore de le transformer du code objet au code source que dans le cadre autorisé aux termes de la loi (§§ 69a et suivants de la loi sur le droit de la propriété intellectuelle). L'acheteur s'engage à ni éliminer les mentions de l'éditeur – et plus particulièrement, les mentions de droits d'auteur – ni les modifier sans l'autorisation préalable expresse du fournisseur.

Tous les autres droits au logiciel et aux documentations, y compris les copies, restent chez le fournisseur lui-même ou chez le fournisseur du logiciel. L'octroi de sous-licences n'est pas autorisé.

XV. Choix du droit applicable, lieu d'exécution, attribution de compétence, clause salvatrice

1. Le présent contrat est soumis exclusivement au droit de la République Fédérale d'Allemagne. En cas de doute, la version en langue allemande de toutes les clauses du contrat fera foi. Les lois sur la vente uniformes (Convention on the International Sale of Goods, CISG) ne sont pas applicables.
2. Le lieu d'exécution est 71272 Renningen.
3. Si l'acheteur est un commerçant, une personne juridique de droit public ou un établissement public ayant un budget spécial, tous les litiges résultant du présent contrat, y compris les litiges relatifs à la formation de ce contrat et de sa validité ainsi qu'aux actions en paiement d'un effet ou d'un chèque, seront de la compétence du tribunal de Leonberg. Le fournisseur peut faire appel à tout autre tribunal compétent conformément aux dispositions légales.
4. Au cas où l'une des clauses des présentes conditions de vente et de livraison viendrait à être frappée de nullité totale ou partielle, la validité des autres clauses resterait acquise.



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