

# Stations de poussée ou d'aspiration

**X-FLOC**  
Pneumatic Insulation Technology



**Pour chaque machine,  
station d'aspiration appropriée!**

## Équipement et accessoires

Some insulation materials require a particularly high amount of air in order to perform the insulation properly. Some isolated installation situations require the overcoming high conveying heights or the use of long conveyor lines. Meanwhile, loose insulation materials have to be occasionally removed again.

By using the X-Floc amplifier/vacuum station technique, you can easily supplement the existing insulation blowing machine to the amplification system or you can use the machine as part of the suctioning process. The devices available range from mobile amplifiers for on-site use (VS28) to stationary solutions, suitable for factory fillings (VS55). All amplifier/vacuum stations available can significantly increase the insulation blowing machines' overall power or, in combination with suitable accessories, can suction small or large amounts of solid materials in a short amount of time. For optimal harmonization, please refer to the notes "Amplification of the insulation blowing machines' air performances".

→ La séparation complète de l'air de traitement et de refroidissement entraine  
→ Fonctions d'aspiration: Adapté pour de nombreux matériaux



**VS28**



**VS33**



**VS40**



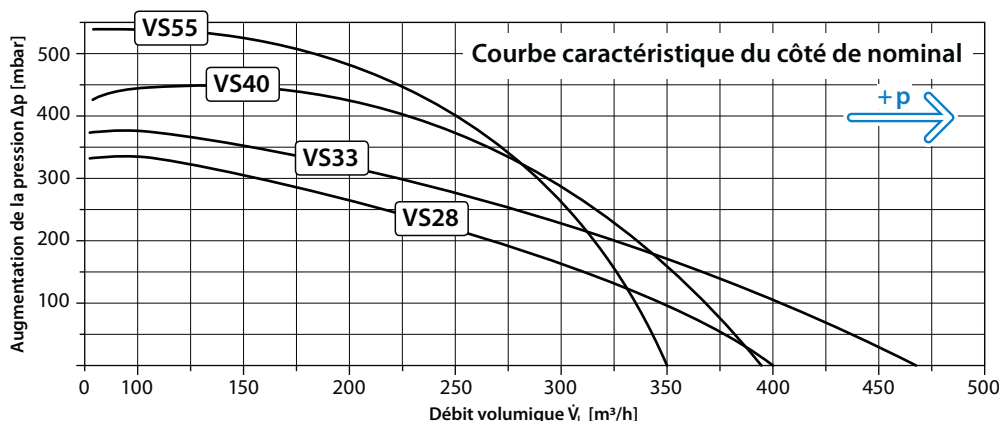
**VS55**

Stations de poussée ou d'aspiration				
Typ	VS28	VS33	VS40	VS55
Numéro d'article	2711	5855	8336	6348
Amplification / purifier	●/●	●/●	●/●	●/●
Aspiration active de la poussière	●	●	●	●
Régulation de la puissance sans à-coups	●	●	●	●
Synchronisation avec la machine	●	●	●	●
Télécommande	●	●	●	●
Puissance	2,8 kW	3,3 kW	4,0 kW	5,5 kW
Surpression max.	330 mbar	370 mbar	430 mbar	550 mbar
Dépression max.	300 mbar	340 mbar	380 mbar	500 mbar
Volume d'air max. (nominal/mesuré)	440 / 400 m <sup>3</sup> /h	490 / 470 m <sup>3</sup> /h	430 / 390 m <sup>3</sup> /h	390 / 350 m <sup>3</sup> /h
Unité de ventilation	Compresseurs radiaux à haute puissance	Compresseurs radiaux à haute puissance	Turbine	Turbine
Adaptation à l'isolation de la machine à soufflerie*	pression de sortie ≤ 320 mbar	pression de sortie ≤ 400 mbar	pression de sortie ≤ 420 mbar	pression de sortie ≤ 520 mbar
Niveau sonore	80 dB(A)	78 dB(A)	90 dB(A)	95 dB(A)
Utilisation en usine	NW63 (2½") / NW75 (3")	NW63 (2½") / NW75 (3")	NW63 (2½") / NW75 (3")	NW63 (2½") / NW75 (3")
D'heures de fonctionnement	○	●	○	○
Voyant d'alimentation	○	○	-	-
Dimensions (L×B×H)	482×358×418 mm	482×358×418 mm	600×650×600 mm	785×700×580 mm
Poids	23 kg	23 kg	60 kg	100 kg

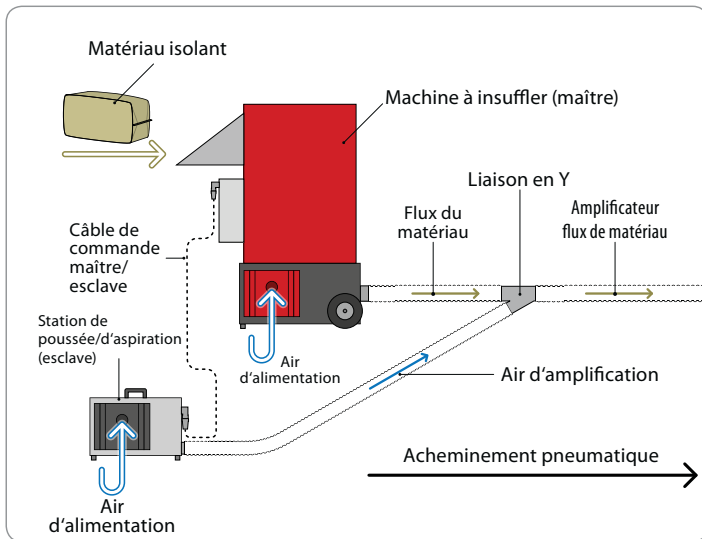
\* Pression de sortie minimale requise à la machine à soufflerie.

○ Disponible en option.

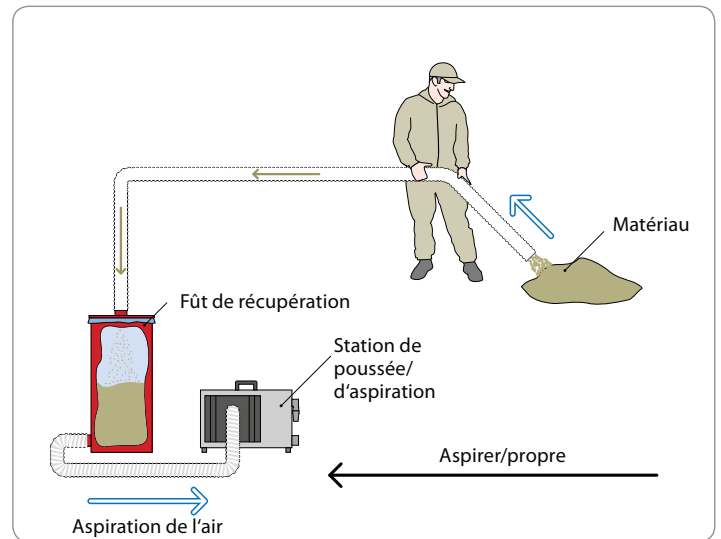
## Courbe caractéristique



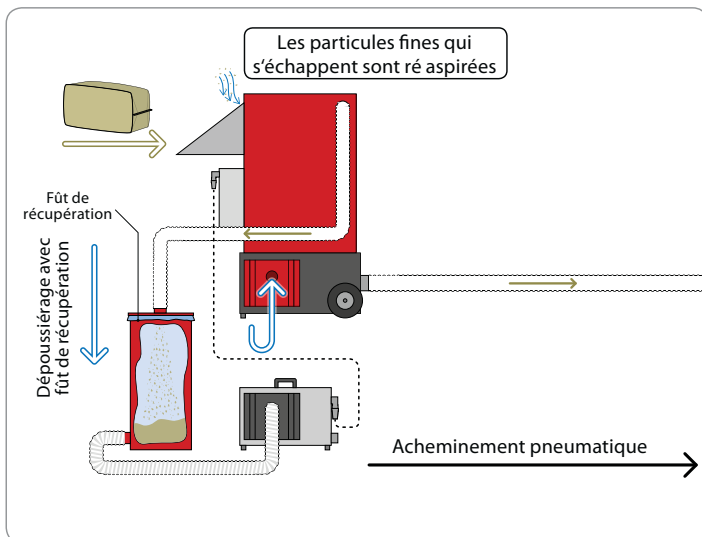
## Soufflage renforcé



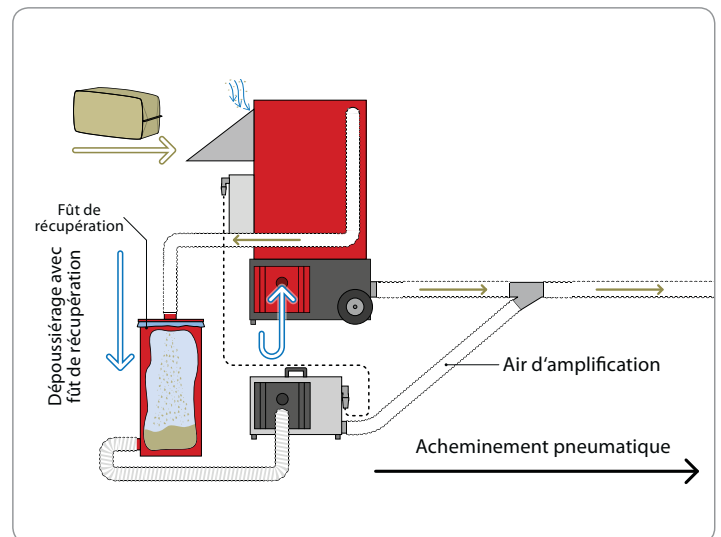
## Fonctions d'aspiration de l'amplificateur



## Dépoussiérage



## Soufflage renforcé avec dépoussiérage



## Ensembles et accessoires

Image	La description	Nr d'article
	<b>VS28 Set complet 115/250 L</b> Unité d'amplification/d'aspiration, fût d'aspiration d'air et de tous les éléments de raccordement nécessaires	2886/5017
	<b>VS33 Set complet 115/250 L</b> Unité d'amplification/d'aspiration, fût d'aspiration d'air et de tous les éléments de raccordement nécessaires	5939/5940
	<b>Sets de raccordement</b> M95, EM300, EM400 (NW75 / 3" or NW90 / 3 1/2") M99/EM100 (NW63 / 2 1/2")	4934 7870 4935
	<b>Câble alimentation électrique pour périphériques de pilotage</b> 5 m 25 m 50 m Autres longueurs sur demande!	1856 1192 1193

Image	La description	Nr d'article
	<b>Fûts d'aspiration d'air 115/250 L:</b> compris 5 x sacs textile, connecteur de tuyau, 4 x colliers de fixation des tuyaux et un réduction NW75>63/>50	1160/3075
	<b>Manomètre, D=117mm</b> Champ de mesure 0-0.6bar	7079
	<b>Sac textil fait de polypropylène</b> 70 x 100 cm 100 x 150 cm	1085 801
	<b>Stainless Steel Y-Piece</b> NW63/63>63 NW75/63>75 NW90/63>90	3955 2221 6670

# Amplification of the insulation blowing machines' air performances

The insulation blowing machine's air performance can be optimised by using an amplifier-/vacuum station. In order to achieve an effective and trouble-free performance increase of an insulation blowing machine via amplifier-/vacuum station technique, the following basic principles need to be followed:

## 1. Insulation blowing machine's performance

The dynamic pressure measured at the insulation blowing machine's outlet ( $p_M$ ) is decisive for achieving an effective amplification effect. Therefore, it's important that the insulation blowing machine has been well maintained. For this, check the air filters, the hosing, the check valves and the airlock sealings for wear and tear and position if necessary. (see "Quick Check-Up for Insulation Blowing Machine")

## 2. Harmonisation of the dynamic pressure of insulation blowing machine and amplifier-/vacuum station

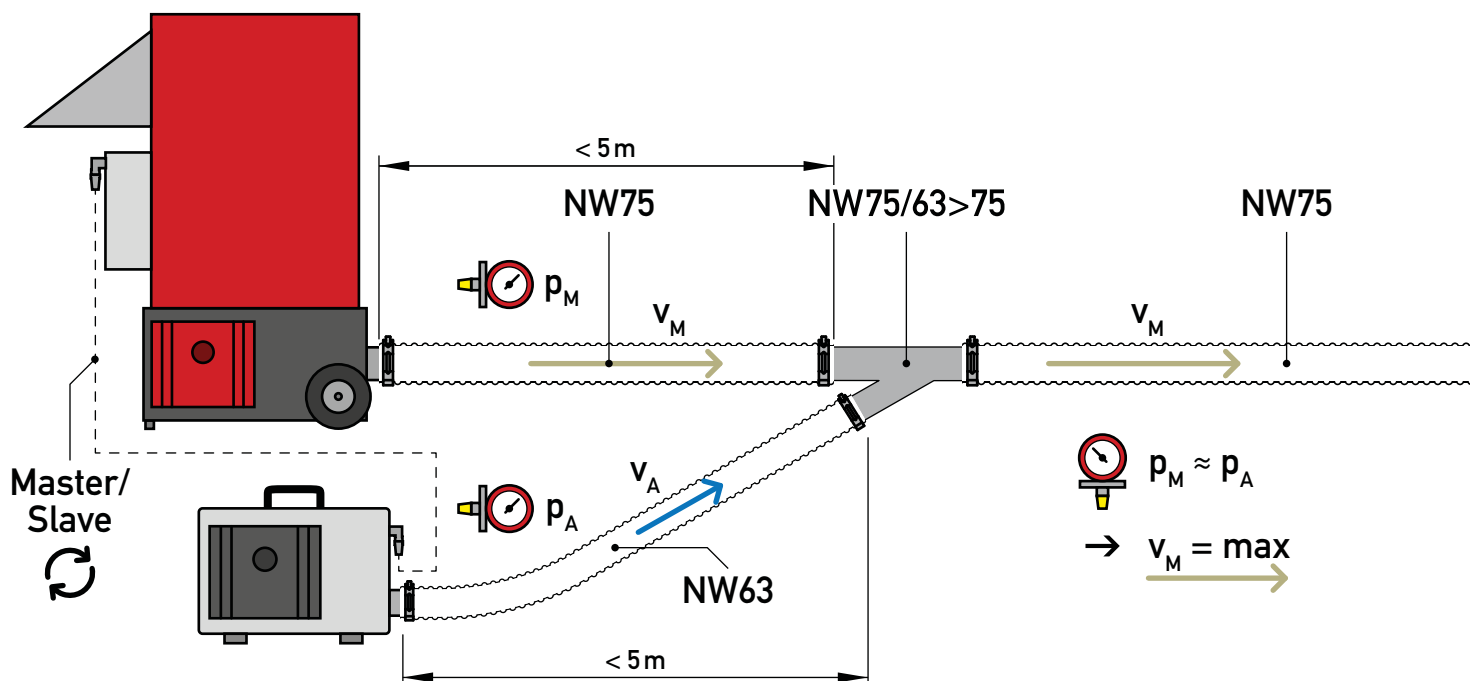
The dynamic pressure measured at the machine's outlet ( $p_M$ ) must correspond approximately with the amplifier-/vacuum station's pressure ( $p_A$ ) ( $\pm 10\%$ ).

Note: In case of strongly divergent dynamic pressures ( $p_M$ ), undesired backflows towards the insulation blowing machine or towards the amplifier-/vacuum station can appear. The desired amplification effect will not be achieved.

## 3. Synchronisation of the insulation blowing machine and the amplifier-/vacuum station

An interlinked system, consisting of insulation blowing machine and amplifier-/vacuum station, enables a synchronous operation (Master/Slave) of both machines. If the machines will not be synchronised properly to each other, disturbances can occur due to undesirable material backlogs (blockages) even after a short amount of time.

Every X-Floc insulation blowing machines is equipped with an auxiliary power socket which enables a connection of the amplifier-/vacuum station to the machine via control cable (Master/Slave). The start- and stop signals as well as the performance settings of the insulation blowing machine's air feed units to the amplifier-/vacuum station will be transmitted via this connection. When using insulation blowing machines of other brands, a suitable auxiliary power socket has to be reinstalled if necessary in order to operate this machine with an amplifier-/vacuum station, too.



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