Dust reduction with X-Floc Spray Heads/Inline-Humidifier

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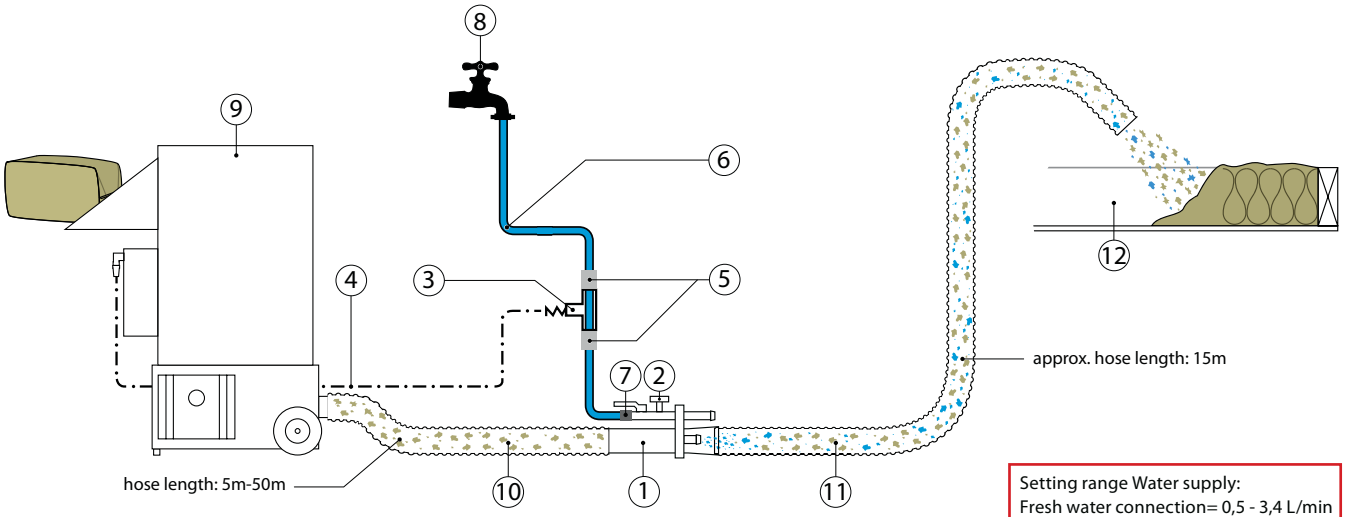
When processing loose insulation material, disagreeable dust formation can be determined depending on the respective insulation material and application. In particular, dust formation may be disturbing especially when open blowing with cellulose and wood fibre. By using the Inline-humidifier, a hose connector with internal spray nozzle, fine dust particles inside the material flow will be bound by liquid mist. This way, when the material is leaving the nozzle, less dust will arise.

Inline-Humidifier with Fresh Water Connection



8 Water Tap

9 Insulation Blowing Machine

10 Conveyor- or Injection Hoses

11 Conveyor- or Injection Hoses

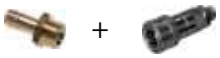
12 Element

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

Example:
f: moisture content [%]
m_L: mass liquid [kg] = 1,8 kg
m_{DS}: mass insulating material [kg] = 10 kg

$$f = \frac{m_L}{m_L + m_{DS}} = \frac{1{,}8}{1{,}8 + 10} = 15\,\%$$

Recommended: 15 %

No.	Amount	Designation	Image	Prod.no.
1	1×	Inline-Humidifier	 NW50 NW63 NW75	5099/7841/7842
2	1×	Needle shut-off valve 9 mm/1/4" and double nippel 2x1/4" AG with hexagon SW 22 (Optional for better adjustment possibilities)		5199+3478
3 4	1×	Magnetic Valve 2/2 ways* + Connecting Control Cable (2.5 m, 5 m, 25 m oder 50 m)		8334 + 1856/1351/1193/1192
5	2×	Threaded Nozzle 9 mm/1/4"		6261
6	1×	Fresh Water Tube 9 mm/3/8" (L=25 m)		6540
7	1×	Kombination Threaded Nozzle 9 mm/1/4" and Single-hand-Coupling 9 mm/1/4"		6261+576

* When the material feed is switched on, the magnetic valve opens and the insulation material is moistened. 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.

For prices, see current price list · Published 06.2017 · We accept no responsibility for errors or changes.· PDF: www.x-floc.com/download
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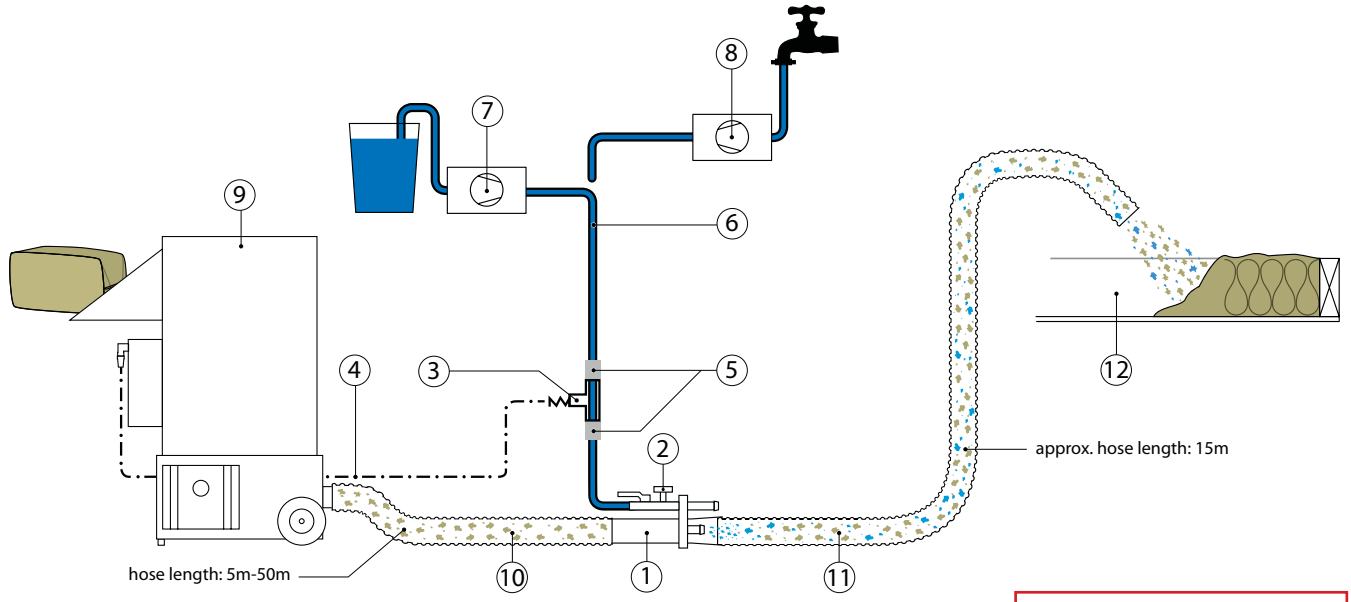
Demo-Videos on:
www.x-floc.com/videos

Inline-Humidifier with Pump Technology



Setting range Water supply:
pump technology = 0,5 L/min - 8 L/min

Example:
f: moisture content [%]
m_L: mass liquid [kg] = 1,8 kg
m_{DS}: mass insulating material [kg] = 10 kg

$$f = \frac{m_L}{m_L + m_{DS}} = \frac{1{,}8}{1{,}8 + 10} = \mathbf{15\,\%}$$

Recommended: 15 %

⑨ Insulation Blowing Machine
⑩ Conveyor- or Injection Hoses
⑪ Conveyor- or Injection Hoses
⑫ Element

No.	Amount	Designation	Bild	Prod.no.
①	1×	Inline-Humidifier	 NW50 NW63 NW75	5099/7841/7842
②	1×	Needle shut-off valve 9 mm/1/4" and double nippel 2x1/4" AG with hexagon SW 22 (Optional for better adjustment possibilities)		5199+3478
③ ④	1×	Magnetic Valve 2/2 ways* + Connecting Control Cable (2.5 m, 5 m, 25 m oder 50 m)		8334 + 1856/1351/1193/1192
⑤	2×	Single-hand-Connector 9 mm/1/4"		577
⑥	2×	High pressure hoses 9 mm/1/4" (L=15 m, 30 m oder 50 m)		715/5054/5055
⑦	1×	Diaphragm pump		206
⑧	1×	Piston pump		1577

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