

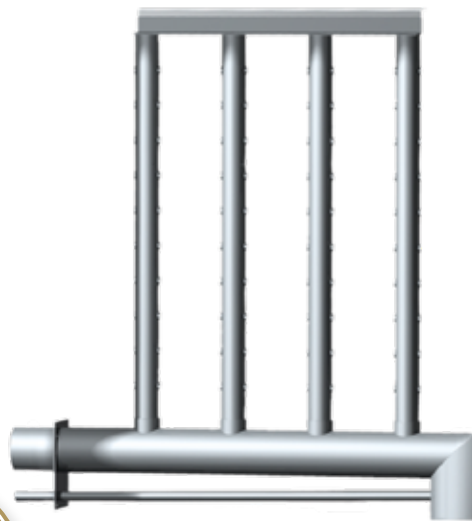
HygroMATIK®

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CAREL

MultiLance

Steam dispersion humidifier for extreme short absorption distances



The **HygroMatik MultiLance** steam manifold systems are designed for use with extremely short absorption distances and are suitable for **electrode and heater element steam humidifiers**, as well as for **steam injection systems**. They can also be used with high flow velocities of up to 8 m/s in air ducts.

The MultiLance systems can be installed vertically as well as horizontally in duct widths of 450 mm or above.

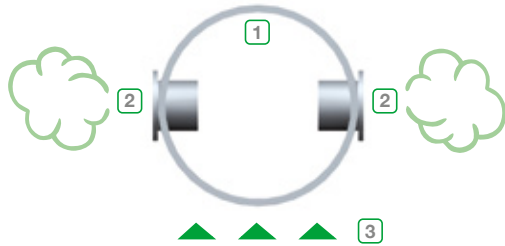


Humidification for best conditions

Flexible configuration for every demand.

The speciality of the systems is that they can be individually assembled and completely dismantled. Therefore they can be individually adapted to the desired device geometry with maximum flexibility by HygroMatik. This also applies for special installation situations, both in front of and behind obstacles.

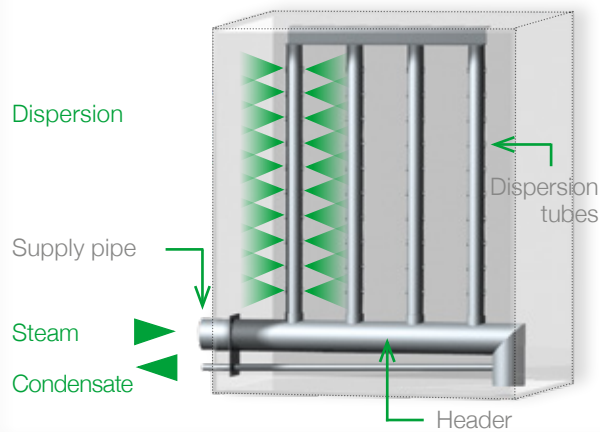
Single lance profile



- 1 Condensing forms on inside wall and is discharged
- 2 Special nozzles for dry aerosol free steam abstraction from central air stream
- 3 Air flow

MultiLance systems are simple to install, maintenance-free and the high quality stainless steel components afford a long lifetime. Thanks to the special nozzle format the steam is obtained without aerosols from the middle of the lance, so that the downstream sensitive duct installations can be effectively protected from condensation.

Lance installation situation



Design capacity chart

Components	Cross-section [mm]	Steam output [kg/h]
Supply pipe	25	≤ 18
	40	18 ≤ 40
Header	40	≤ 45
	50	46 ≤ 115
	76	116 ≤ 225
	Dispersion tubes	25
40		4 ≤ 16
50		16 ≤ 32

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