

Atomising System VN

HygroMATIK
MORE THAN
40 YEARS
HUMIDIFICATION

Vacuum nozzles



Compressed air nozzle system for room humidification

- Humidification output 8 l / h per vacuum nozzle
- Low energy consumption
- Additional free cooling effect
- Stainless steel nozzles

Humidification for health and quality

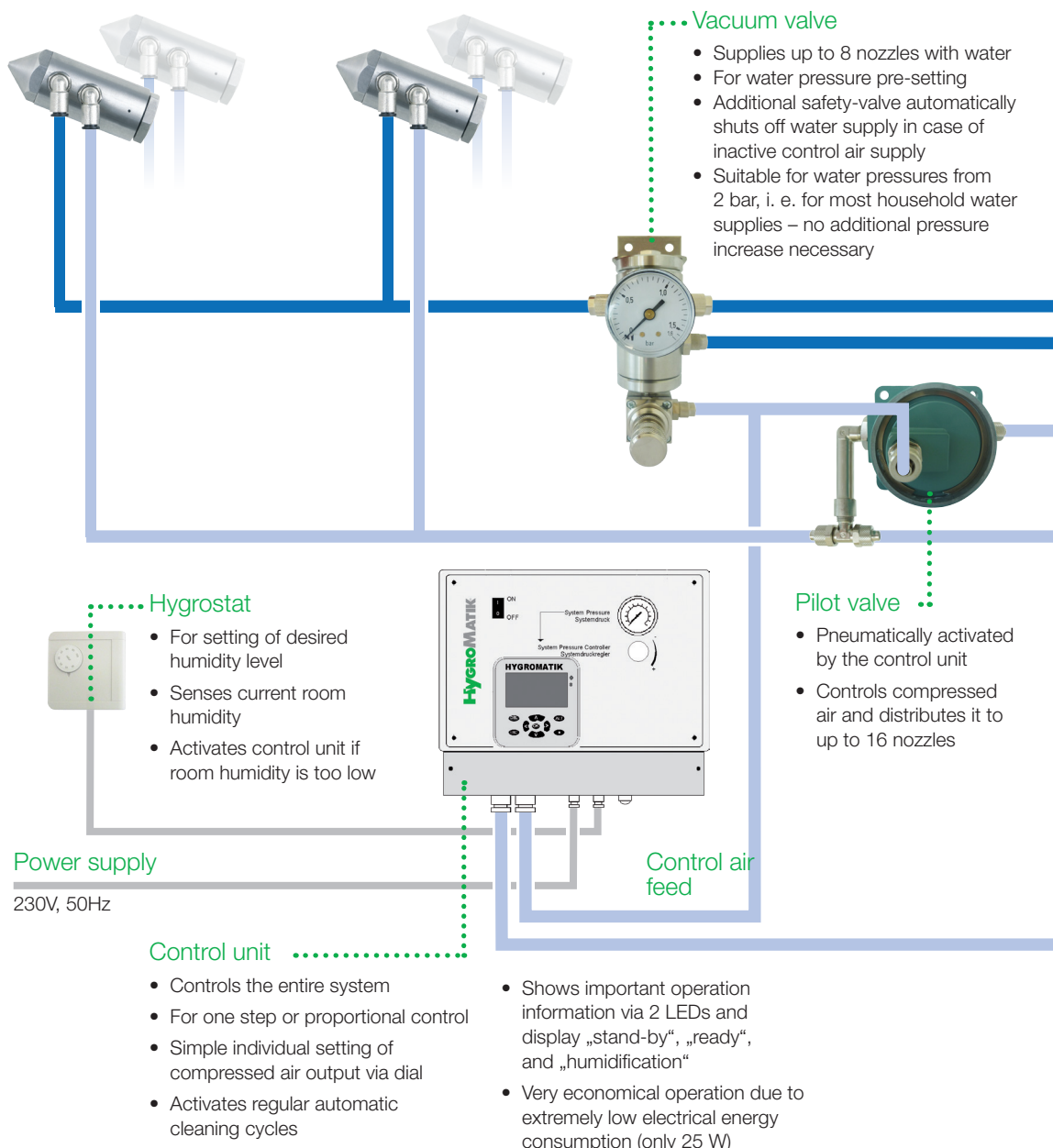
Correct humidity levels are essential for product quality and health. Dry air affects human well-being and has an adverse effect on growth and health in animal husbandry or greenhouses.

Exactly defined humidity levels are also fundamental in today's highly sophisticated production process environments.

The HygroMatik vacuum nozzle atomising system VN is installed in storage or production rooms and automatically supplies hygienic and energy-efficient air humidification.

Recommended humidity values:

- Printing and paper storage
- Electronic production processes
- Veneer storage
- Greenhouses
- Woodworking and storage
- Cool rooms
- Spray booths
- Leather production and storage
- Tobacco processing and storage
- Textiles (e.g. wood or cotton)



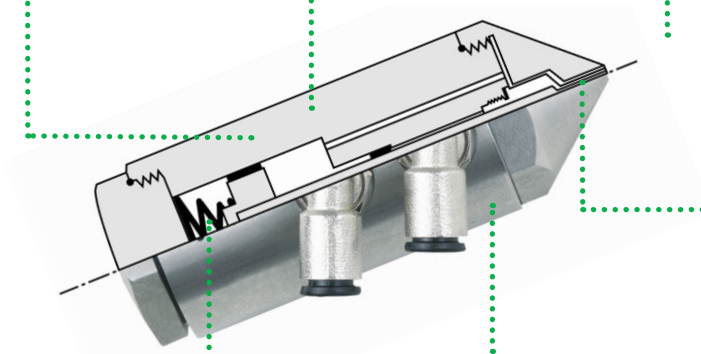
Atomising nozzle type VN

- 50 - 80 % r.H.
- 45 - 55 % r.H.
- 50 - 60 % r.H.
- 70 - 90 % r.H.
- 55 - 65 % r.H.
- 70 - 80 % r.H.
- 60 - 80 % r.H.
- 50 - 70 % r.H.
- 70 - 80 % r.H.
- 65 - 75 % r.H.

High quality stainless steel nozzle. Atomises water into finest aerosols

Special nozzle design guarantees high atomisation output and low compressed air consumption

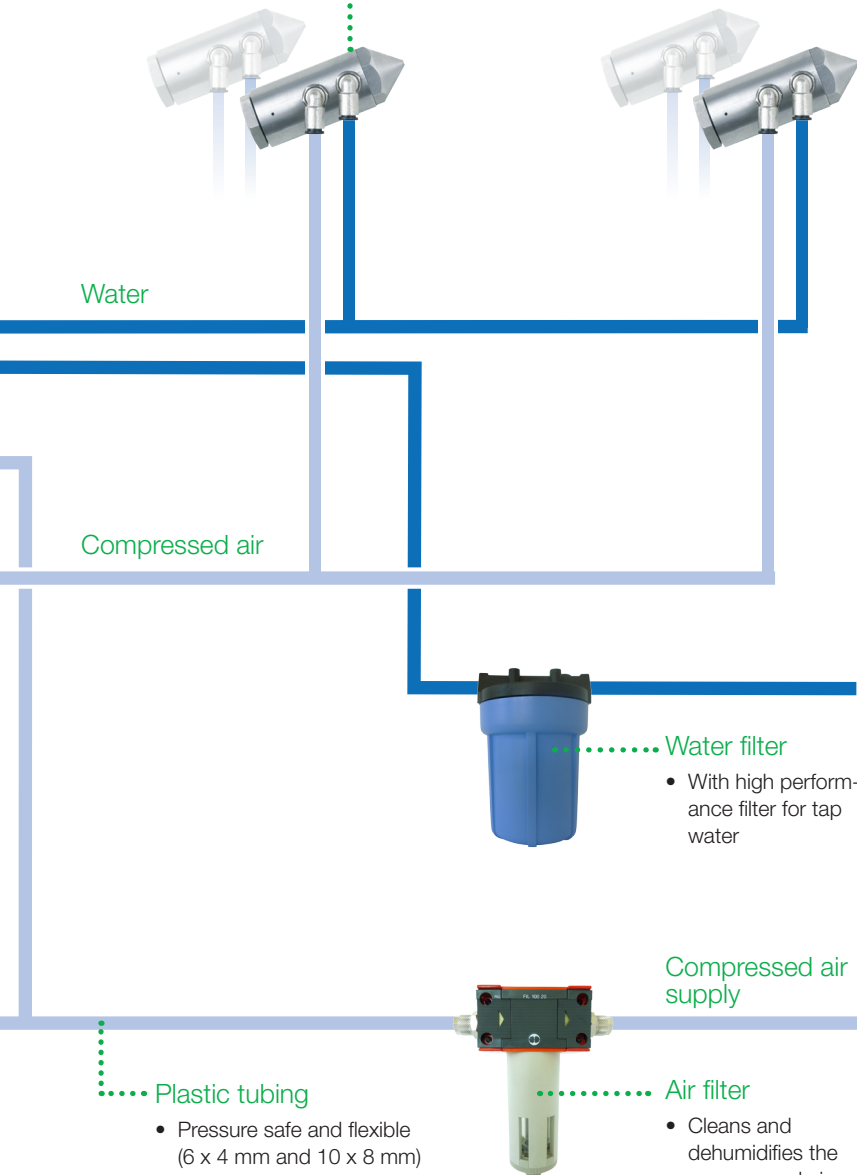
Water and air mix outside the nozzle (injector principle). This ensures hygienic atomisation



Stainless steel cleaning needle keeps water outlet free from scaling. This saves maintenance and constantly provides a fine droplet spectrum

Service friendly form

Powerful spring activates cleaning needle, this saves the additional connection of clean air system



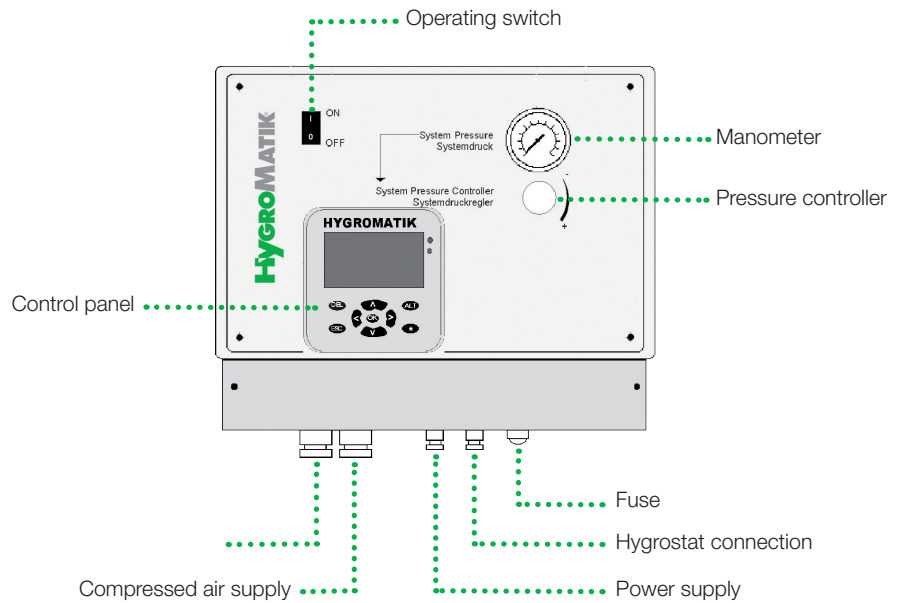
The tried and trusted principle

The HygroMatik vacuum nozzle atomising system atomises tap water with cleaned and dehumidified compressed air according to the injector principle. The compressed air flows through the nozzle. This generates a negative pressure which draws water into the nozzle. The water is then atomised into finest droplets, called aerosols.

The aerosols are generated in a closed system, i. e. at no point can standing water have contact with the air.

The system humidifies adiabatically, i. e. it provides a cooling effect for the ambient air.

Control unit CU-1



Technical Data Atomising System Vacuum Nozzles

Type		Vacuum Nozzle VN	Control Unit CU-1	Pilot Valve PV	Vacuum Valve Hy-W
Atomising Output	[l/h]	max. 8	–	–	–
Water					
Water Supply	[mm]	6 x 4	–	–	6 x 4
Water Drain	[mm]	–	–	–	10 x 8
Air					
Control Air	[mm]	–	6 x 4	6 x 4	6 x 4
Compressed Air	[mm]	6 x 4	–	10 x 8	–
Electricity					
Electrical Power	[W]	–	25	–	–
Electrical Supply *	[V/Hz]	–	230/50	–	–
Dimensions					
	Height [mm]	35	250	88	124
	Width [mm]	50	296	155	84
	Depth [mm]	86	107	120	85

Subject to technical amendments without notice.

* Other voltages on request.

Contact your HygroMatik team for assistance:

Airtrend Ltd.-Gobrid. Ltd.
 Kumanovska 14, 11000 Beograd
 Tel. +381 11 383 68 86, 308 57 40
 Faks +381 11 344 41 13
 E-mail: gobrid@eunet.rs

HYGROMATIK[®]
 WE HUMIDIFY THE AIR