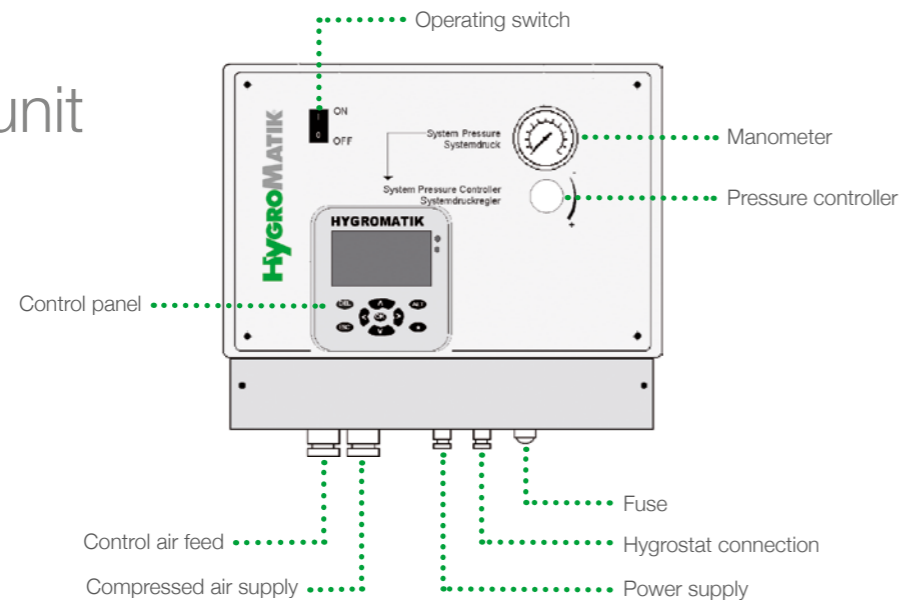


# Control unit CU-1



**HYGROMATIK**  
WE HUMIDIFY THE AIR

# Atomising System VN

Compressed air nozzle system  
for room humidification

## 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	-	-	-
<b>Water</b>				
Water Supply [mm]	6 x 4	-	-	6 x 4
Water Drain [mm]	-	-	-	10 x 8
<b>Air</b>				
Control Air [mm]	-	6 x 4	6 x 4	6 x 4
Compressed Air [mm]	6 x 4	-	10 x 8	-
<b>Electricity</b>				
Electrical Power [W]	-	25	-	-
Electrical Supply [V/Hz]	-	230/50	-	-
<b>Dimensions</b>				
Height [mm]	35	250	88	124
Width [mm]	50	296	155	84
Depth [mm]	86	107	120	85

Subject to technical amendments without notice.



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

**HYGROMATIK**  
MORE THAN  
**45 YEARS**  
HUMIDIFICATION



**HYGROMATIK**  
WE HUMIDIFY THE AIR

**AIRTREND Limited**  
Predstavništvo u Beogradu  
Kumanovska 14, 11000 Beograd  
Tel: 011 383 68 86, 308 57 40  
Faks: 011 344 41 13  
e-mail: gobrid@eunet.rs  
web: www.airtrend.rs

01/2019

Humidification for best conditions.

# 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.

# 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	50 - 80 % r.H.
Electronic production processes	45 - 55 % r.H.
Veneer storage	50 - 60 % r.H.
Greenhouses	70 - 90 % r.H.
Woodworking and storage	55 - 65 % r.H.
Cool rooms	70 - 80 % r.H.
Spray booths	60 - 80 % r.H.
Leather production and storage	50 - 70 % r.H.
Tobacco processing and storage	70 - 80 % r.H.
Textiles (e.g. wood or cotton)	65 - 75 % r.H.

