

This technology is based on the principle that water is forced to pass through a very small nozzle hole with high pressure. As a result, fine mist is obtained from small water droplets. This mist evaporates in almost 1 second. The system consists of three main parts; High pressure water purification system is humidifiers and control units of different shapes and capacities.



Properties

Although the humidification system works independently, it is usually controlled by the BMS (building automation system).

The unit is controlled and maintained using modern electronics. The status display gives all the information about the functions of the unit. When maintenance is required, a warning signal comes from the outside.

Advantages

- Low operating cost
- Long Lifespan
- Reverse Osmosis included
- Clean Water (Safe operation without bacteria)
- Low noise level
- Adiabatic cooling
- Low maintenance costs
- Microprocessor controlled



Required Systems:

- Water treatment is recommended.
- A High-Pressure unit is required.
- High Pressure piping is required.

Technical Specifications

Nozzle hole diameter	100 µm	150 µm	200 µm	300 µm	400 µm
Dimensions (diameter x length) mm	Ø10 x 34				
Weight (g)	14				
Min-Max. Operating Pressure (bar)	40-140				
Recommended operating pressure (bar)	80				
Material	Stainless steel				
Drop size (µm)	15-20				
Humidification capacity (at 80 bar pressure) (1/hour)	2	2,7	3,8	6,6	9