



Control System

The Cumulus Lance control system has been specially developed to provide smooth humidification. The device can also be connected to the building automation system, such as the humidification system.

The control signal 0-10V of the building control system is converted into a gradual control of humidification.

Depending on the number of lance groups, up to 15 control steps can be hydraulically controlled. This is more than sufficient to adequately humidify even demanding applications such as museums.

Technical Specifications

Dimensions (HxLxW) mm	150/250/250
Weight (kg)	3
Operation Power (kW)	0,1 kW
Control Signals	0-10 V-4-20 m A
Ability to connect to Air Handling Unit	Yes
Stand-alone operation	No
Waterfresh safety	Yes
Automatic restart in case of power failure	Yes
Display	Digital
External warning signal	Optional
Maintenance signal	Yes
Monitoring at distance	Optional
Power connection	230 V

Functions

After a demand for humidification from the building management system, the Reverse Osmosis device is activated. Reverse Osmosis device sends water to the high-pressure pump. The pump supplies water under high pressure. Lance Control activates humidification by opening one or more lances.

Waterfresh System

The Lance control also regulates the operation of the Waterfresh system. The Waterfresh system never provides humidification when water is stagnant. This is done by opening and closing the humidification system periodically if there is no demand for humidification in the previous 24 hours. This arrangement provides the Legionella security system in summer seasons where less humidity is required.

