



The High-Pressure Booster Min Is a high-pressure humidification unit without reverse osmosis unit. The unit has its own control unit, therefore it can operate stand alone, if required, the unit can also be connected to a Building Management System to control it. Standard version is MIN type. The capacity range is 60 Lt/h, and 800 Lt/h. Pumps can be mounted on stainless steel surface. One control unit, status display and operating hour counter can mount on a unit directly.

## Technical Details

	HP BOOSTER MIN 120	HP BOOSTER MIN 220	HP BOOSTER MIN 220	HP BOOSTER MIN 280	HP BOOSTER MIN 480
Maximum Pump Capacity (l/h)	120	220	280	380	480
Dimensions (LxHxW) mm	400x680x1110				
Weight (kg)	65	70	75	80	85
Water conductivity (µS)	5-20				
Operating pressure (bar)	70-100				
Power consumption (kW)	0,7	1,3	1,6	1,7	1,8
Control signal	0-10v-4-20 m A				
Ability to connect to the Air Handling Unit	Yes				
Standalone operation	Yes				
Maximum amount of zones	12				
Water fresh safety	Yes				
Automatic restart when power is cut off	Yes				
External warning signal	Optional				
Maintenance signal	Yes				
Remote monitoring monitor	Optional				
Water pressure safety	Yes				
Overload protection	Yes				
Dynamic water pressure (bar)	3				
Min./Max. temperature °C	0-40°C				
Power connection	400V AC				

## Frequency Control

Cumulus high pressure pumps are not modulated by frequency control. The reason is that the high-pressure pumps are designed for constant rotation. In this way, the pressure in the nozzle is always high enough to provide very fine water particles. Frequency-controlled applications cannot perform these fine water particles at low speeds.

In addition to the negative effect on atomization, frequency control reduces ins lifespan of the pump