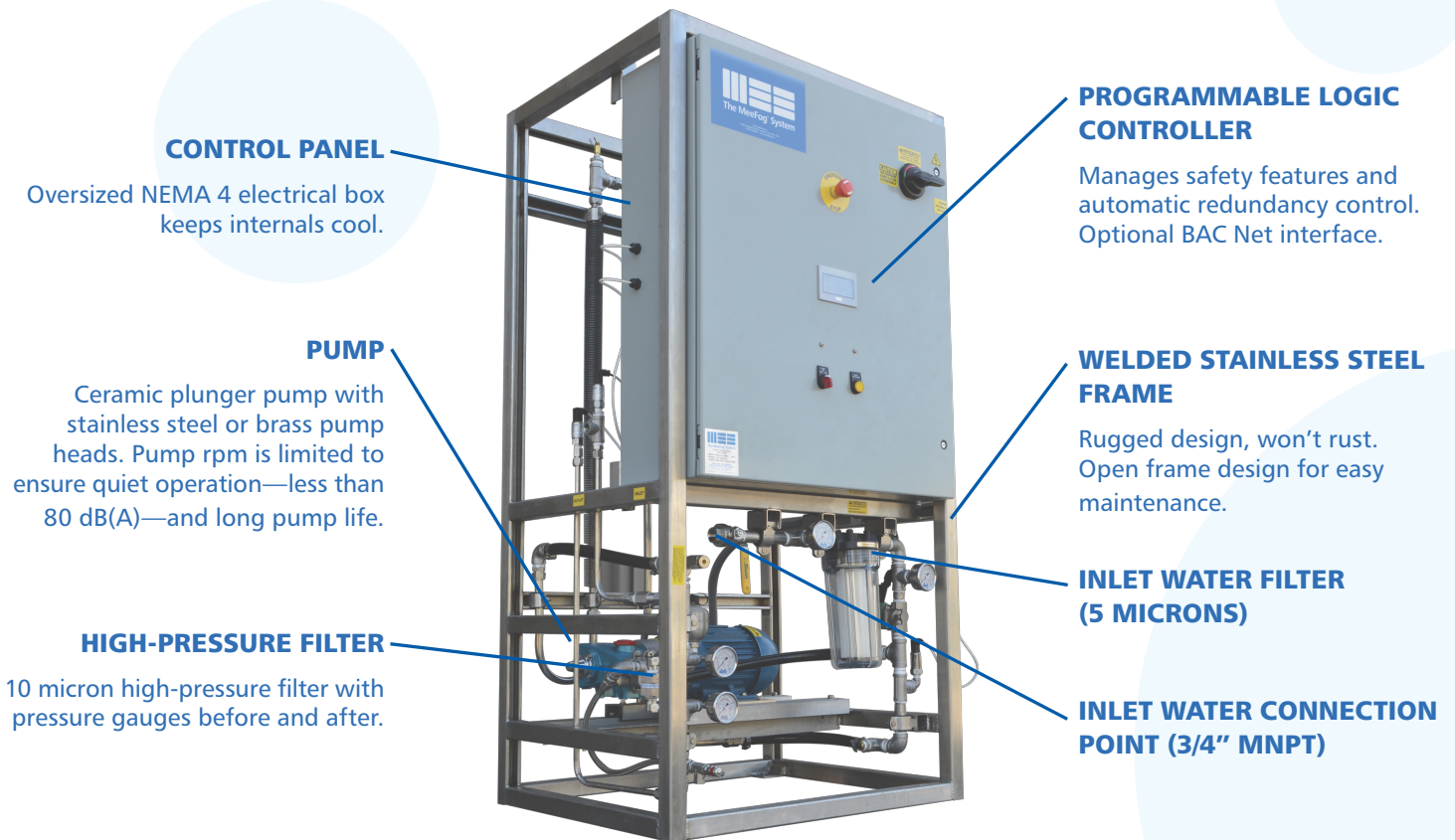


The MeeFog™ Pump Unit



MeeFog™ Pump Unit — a Standardized Component of a Customized Humidification Solution

The MeeFog Pump Unit is specifically designed for HVAC humidification applications where output can vary from nearly zero to full load. The pump speed is controlled to keep the discharge pressure at 1000 psi. This saves energy and pump life when demand is low.

When the required amount of water is less than the pump flow at minimum speed, excess flow is diverted through a bypass pressure regulator then passes through a fin-tube heat exchanger. This allows the pump to remain cool even when the required flow is nearly zero, which eliminates the need to plumb the recirculated water back to an RO tank.

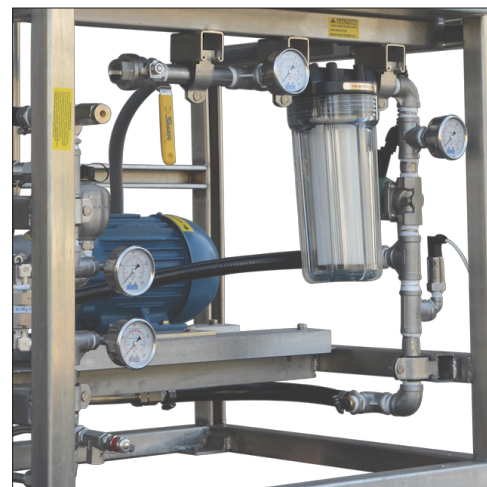
For critical operations, the MeeFog Pump unit provides 100% redundancy when two side-by-side racks are used. PLC software allows the standby pump to come on automatically if there is a demand for humidification and the lead pump has not started.

MEEFOG™ PUMP UNIT FOR HVAC APPLICATIONS

| Model | MFP-800 | MFP-1500 | MFP-2500 | MFP-3600 |
|--|--|---------------------------|---------------------------|---------------------------|
| Pump Unit Capacity (at 1200 rpm max pump speed) | 800 LBS/HR (1.6 GPM) | 1,500 LBS/HR (3.0 GPM) | 2,500 LBS/HR (5.0 GPM) | 3,600 LBS/HR (7.2 GPM) |
| Alternate Capacity (80 dB max noise level) | 1,000 LBS/HR (2.0 GPM) | 1,850 LBS/HR (3.7 GPM) | 2,500 LBS/HR (5.0 GPM) | 4,250 LBS/HR (8.5 GPM) |
| Max Allowable Pump Speed | 1725 RPM | 1725 RPM | 1200 RPM | 1725 RPM |
| Motor | 2 HP | 3 HP | 7.5 HP | 7.5 HP |
| Power | 230V 1PH, 230/460V 3PH | 230/460V 3PH | 460V 3PH | 460V 3PH |
| Max Motor Amps | 5.4A / 2.7A | 7.8A / 3.9 A | 6.0 A | 9.0 A |
| Fuse Size | 15 AMP @460V | 20 AMP @460V | 35 AMP @460V | 35 AMP @460V |
| Max ambient environment Temp | 100°F | 100°F | 98°F | 95°F |
| Pump Unit Weight (with water) | 450 LBS | 490 LBS | 565 LBS | 580 LBS |
| Pump Unit Dimensions | 33.5 INCHES WIDE X 65.4 INCHES HIGH X 28.3 INCHES DEEP | | | |
| Inlet Water Connection | 3/4" FNPT | | | |



Control panel includes a PLC with user interface screen and allows BACnet communication with building automation.



Pressure transmitters and pressure gauges indicate inlet and discharge pressure and differential across filters.