

MeeFog™ Pump Unit: Model Mee-3

Stainless Steel Pumps



What it does:

The Model Mee-3 is an economical, full-featured, industrial-quality, high-pressure fog pump unit. A variable frequency drive reduces pump wear and noise level, and allows operation of zones with few nozzles, without overheating the pump.

Features:

- Direct drive pumps with high-efficiency motors.
- All wetted parts are stainless steel or plastic, suitable for use with Reverse Osmosis water.
- VFD with panel-mounted controller maintains pressure when zone valves open and close. Pressure transducer includes digital display.
- Anodized aluminum frame ensures long, corrosion free service.
- UL certified (508A enclosed industrial control panels).
- BACnet/MSTP ready.

Model Mee-3 Fog Pump Units

Stainless Steel Pumps, 1000 psi, Direct Drive with VFD

Model Mee-3	Design Flow ^[1] (gpm)	Max. Flow ^[2] (60Hz) (gpm)	Min. Flow ^[3] (gpm)	Dimensions (W" x H" x D")	Motor HP	Voltage	Full Load Amps	Weight (lbs)
-SSG050	0.4 gpm	0.5 gpm	0.01 gpm	24 x 51 x 17	1/2 HP	208-230/460V 3-phase or 230V single-phase	2.0-1.8/0.9 1-ph 4.6	180
-SSG080	0.6 gpm	0.8 gpm	0.02 gpm		3/4 HP		2.9-2.6/1.3 1-ph 6.4	180
-SSG110	0.9 gpm	1.1 gpm	0.04 gpm		1 HP		3.9-3.5/1.8 1-ph 7.4	195
-SSG160	1.1 gpm	1.6 gpm	0.06 gpm		1.5 HP		5.0-4.6/2.3 1-ph 9.2	195
-SSC230	1.5 gpm	2.3 gpm	0.05 gpm	30 x 57 x 24	2 HP	208-230/460V 3-phase	6.0-5.7/2.9 1-ph 11.0	230
-SSC420	2.8 gpm	4.2 gpm	0.08 gpm		3 HP		8.9-8.0/4.0	270
-SSG550	3.7 gpm	5.5 gpm	0.11 gpm	36 x 65 x 24	5 HP	460V 3-phase	14.5-13/6.5	350
-SSC740	4.9 gpm	7.4 gpm	0.15 gpm		7.5 HP		9.3	420
-SSC1050	7.0 gpm	10.5 gpm	0.21 gpm		7.5 HP		9.3	430
-SSG1200	8.0 gpm	12.0 gpm	0.24 gpm		10 HP		12.5	460

[1] The recommended design flow for normal operation and extended pump life.

[2] Maximum flow can be used for intermittent operation, but to extend pump life, it is not recommended for continuous use.

[3] Minimum flow which must be output through fog nozzles to prevent overheating the pump.

Model Mee-3 Options

These options can be added to the Mee-3 for additional functionality

Title	Description
1. UV sterilizer	Disinfects the inlet water to the Mee-3 unit using UV sterilization. <i>Requires a 110VAC electrical outlet.</i>
2. Programmable Logic Controller	Provides maintenance alerts for pump oil & seal changes, and alarms, such as low inlet water pressure or low pump outlet pressure. Interface panel is mounted on Mee-3 electrical enclosure.
3. Humidity controller	Controls humidity or temperature utilizing a remote sensor. The controller is mounted on the Mee-3 electrical enclosure.
4. Pressure Relief Valve	Eliminates nozzle dripping by relieving pressure in the high-pressure line when pump shuts off. For single-zone systems, valve is mounted on the Mee-3 unit. For multi-zone systems, valves are on the zone valve panel.
5. 24-hour clock	Automatically turns the pump skid on/off based on user editable time settings. The timer is installed on the Mee-3 electrical enclosure. <i>Can be combined with cycle timer.</i>
6. Cycle timer	Automatically turns pump on/off based on user editable settings (xx minutes on, xx minutes off). The timer is installed on the Mee-3 electrical enclosure.
7. Heat exchangers for pump cooling	Allows Mee-3 pump to operate at low or no discharge output without overheating.
8. High flow detection	This can prevent running if there is a leak in the high-pressure lines. Faults the pump off if it is running at full speed due to high flow.
9. High humidity cut-off	Automatically turns the pump skid off if a high humidity condition is detected. Can be used to prevent the system from running if accidentally left in manual operation, or if the system humidity sensor or controller malfunctions. <i>Requires humidity controller.</i>
10. Panel mounted disconnect switch	Turns off all power inside the Mee-3 skid electrical enclosure when the panel door is opened.
11. Pump seal flushed system.	Allows Mee-3 pump to use ultra-pure DI water. Pump is configured to use mineralized water to 'lubricate' the seals and prevent premature seal failure. <i>Only available with Mee-3-SSC-1050 model.</i>