

MeeFog Pump Unit: Model Mee-3 RO

Reverse Osmosis / Fog Pump Combination Skid



MeeFog skid

Pre-Treatment



Carbon filter & water softener



Bladder tank

What it does:

Taking all of the features of a Model Mee-3 Fog pump unit and combining it with a Reverse Osmosis water treatment system.

Features:

- Direct drive pumps with high-efficiency motors.
- Anodized aluminum frame ensures long, corrosion free service.
- UL certified (508A enclosed industrial control panels).
- Low Inlet-pressure and high discharge pressure protection.
- PLC, VFD, pre-treatment carbon filter and dual-tank water softener, post-treatment UV filter.

Model Mee-3 RO Fog Pump Units

Stainless Steel Pumps, 1000 psi, Direct Drive with VFD

Model Mee-3	Design Flow ^[1] (gpm)	Design Flow (lbs. / hr)	Max. Flow ^[2] (gpm)	Min. Flow ^[3] (gpm)	Dimensions (W" x H" x D")	Weight (lbs.)
RO-SSG110	0.9	450	1.1	0.04	36 x 68.5 x 34	329
RO-SSC360	2.4	1,200	3	0.07	36 x 68.5 x 34	329

For UL508A rating, ambient air temperature cannot exceed 85°F.

[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. Otherwise additional cooling methods should be added.

Model Mee-3 RO Options

Can be added to the Mee-3 RO for additional functionality

Heat Exchangers	Fin Tube Heat exchangers helps maintain cool water temperature in the pump when min flow is not reached.
BacNet Communication	Adds module to a PLC for BacNet communication.
Motor Shaft Grounding Ring	Adds extra protection of the motor bearings.
Panel Mounted Electrical Disconnect	Panel mounted electrical switch to shut off power to the panel.
Airflow Proving Master Enable	For HVAC applications, this enable can be used to ensure the fog pump does not operate if the Air Handling Unit fans are not operating. More reliable than an airflow proving switch.

Technical Specs

	RO-SSG110	RO-SSC360
Motor HP	1	3
Voltage	208/230/460	208/230/460
Phase	3-phase / 230V 1-phase	3-phase
FLA	4.3/3.9/2.2 or 9.3 (1-ph)	9.5/8.6/4.6
MCA (For 460V 3-phase)	3.3	6.6
MOCP (For 460V 3-phase)	5	10
Estimated dBA at Design Flow	74	75
Customer Connections (Inlet / Outlet)	3/8" NPT	1/2" NPT
Required Inlet Water Pressure (psi)	30-60	30-60
Max Inlet Water temperature	85°F	85°F
Operating Pressure (psi)	1,000	1,000
Carbon Filter Size / Weight	14" x 65" x 20" / 350 lbs. Wet	14" x 65" x 20" / 350 lbs. Wet
Carbon Filter Power	115v plug / < 1 amp	115v Plug / < 1 amp
Dual Water Softener Size / Weight	22" x 48" x 26" / 814 lbs. Wet	22" x 48" 26" / 814 lbs. Wet
Dual Water Softener Power	115v plug / < 1 amp	115v Plug / < 1 amp
Bladder Tank Size / Weight	22" x 36" x 22" / 44 Gallons / 400 lbs.	26" x 55" x 26" / 120 Gallons / 800 lbs. Wet