



iPOLISHER M Series Units



iPOLISHER units are a simple, practical and inexpensive high purity storage and distribution systems designed for stand alone service or integration for use with any iPURE pure water generation system.

Each assembly efficiently combines several pure water treatment processes into a single, compact unit; designed to maintain and distribute pure water. These units can store and distribute from 5 to 50 gallons per minute of high purity water and when configured appropriately can deliver water meeting any of the current pharmaceutical, industrial and/or laboratory reference standards.

Each system is supplied completely assembled, factory tested and ready for field installation. Typical applications for these systems include; ultra-pure water for the electronics, pharmaceutical and power industries; process water for the food, beverage and chemical industries and pure water for research, pilot facilities and laboratories.

iPOLISHER - M Series

Specifications

Model	M-005	M-015	M-030	M-050
Design				
Distribution Flow Rate GPM (LPM)*	5.0 (18.9)	15.0 (56.8)	30.0 (113.6)	50.0 (189.3)
Draw Flow Rate GPM (LPM)	2.0 (7.8)	11.0 (41.6)	24.0 (90.8)	40.0 (151.4)
Supply Pressure (max) PSIG (BAR)*	60.0 (4.1)	60.0 (4.1)	60.0 (4.1)	60.0 (4.1)
Max Temp °F (°C)	95.0 (35.0)	95.0 (35.0)	95.0 (35.0)	95.0 (35.0)
Connections				
Suction	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT
Discharge	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT
Drain	1/4"	1/4"	1/4"	1/4"
Pumps				
Pump Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Motor HP (KW)	2.0 (1.5)	2.0 (1.5)	3.0 (2.2)	5.0 (3.7)
RPM @ 60/50 HZ****	3450 (2900)	3450 (2900)	3450 (2900)	3450 (2900)
UV Sterilization				
Type	254 nm	254 nm	254 nm	254 nm
Final Filter				
Style	Single	Single	Single - BB	Single - BB
Rating	1 Micron	1 Micron	1 Micron	1 Micron
Quantity	1	1	1	1
Length	20"	20"	20"	20"
Electrical				
Standard Voltage	220V/60 HZ/1 PH	220V/60 HZ/1 PH	220V/60 HZ/1 PH	220V/60 HZ/1 PH
Optional Voltage	230V/60 HZ/3 PH 460V/60 HZ/3 PH	230V/60 HZ/3 PH 460V/60 HZ/3 PH	230V/60 HZ/3 PH 460V/60 HZ/3 PH	230V/60 HZ/3 PH 460V/60 HZ/3 PH
Dimensions**				
L x W x H inch (cm)	32 x 34 x 60 (81 x 86 x 152)	32 x 34 x 60 (81 x 86 x 152)	36 x 36 x 70 (91 x 91 x 178)	36 x 36 x 70 (91 x 91 x 178)
Weight lb. (Kg)	450 (204)	450 (204)	550 (249)	550 (249)

* Product flow rates and recovery are based on equipment test parameters

** Does not include operating space requirements

**** Operation at 50 HZ supply will reduce unit pressures and flow rates. Consult factory for details.

Operating Limits

Maximum Feed Temperature °F (°C)	95 (35.00)	Maximum Free Chlorine ppm	0
Minimum Feed Temperature °F (°C)	40 (4.44)	Maximum pH (Continuous)	11
Maximum Ambient Temperature °F (°C)	120 (48.89)	Minimum pH (Continuous)	5
Minimum Ambient Temperature °F (°C)	40 (4.44)	Maximum pH (Cleaning 30 Min.)	12
Minimum Suction Pressure ft (m)	4 ft (1.2)	Minimum pH (Cleaning 30 Min.)	2
Maximum Operating Pressure psi (bar)	60 (4.1)	Maximum Turbidity NTU	1

M Series Units

Standard Features

- Standard flow ranges from 5 to 50 GPM
- Modular design for easy expansion
- Epoxy-coated steel frame for floor mounting
- Stainless Steel, high efficiency supply pump
- Service exchange manifold
- UV sterilization system
- Final filtration system
- Stainless steel pressure gauges
- Standard flanged or threaded connections

Optional Features

- Duplex Pump System
- TOC Reducing UV unit
- Duplex final filtration system
- Sub-micron filter elements
- Water quality monitoring system
- Flow monitoring system
- PVC, HP PVC, PP pipe manifold