



EPRO™ LMF Reverse Osmosis Systems for Industrial & Commercial Applications

EPRO™ LMF Series are engineered from the ground up to provide maximum treatment efficiency in a compact, skidded package. This series of RO systems removes impurities, such as bacteria and dissolved solids, from source water, including brackish water. Available configurations deliver permeate flow rates of **20 to 120 GPM** (30,000 to 175,000 GPD) to address the diverse requirements of light industrial applications and commercial users.

The EPRO LMF Series systems include a state of the **art controller** designed specifically for commercial and industrial reverse osmosis systems. The EPRO LMF microprocessor-controlled system can monitor multiple pressure sensors and/or pressure switches. A feed and permeate TDS/Conductivity monitor/controller with programmable setpoints is an integral part of the LMF controller. The EPRO LMF controller is available with an optional MODBUS interface for remote monitoring. EPRO LMF Series ROs are also equipped with a Variable Frequency Drive (VFD) to allow automated process control and consistent permeate output.



EPRO LMF 80 Series

80-120 GPM of Permeate Flow
(115,000 to 175,000 Gallons Per Day)



EPRO LMF 40 Series

20-60 GPM of Permeate Flow
(30,000 to 86,400 Gallons Per Day)



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Standard Features

- Flow Meters: Digital Concentrate & Permeate and Analog Recycle
- Grundfos CR-Series 316 SS Pump w/TEFC Motor
- Membranes: 8"x40", TFC Brackish Water
- FRP Side-ported, 300 psi Pressure Vessels
- Low Pressure Switch
- Voltage: 460V/60Hz/3 Phase
- Prefilter Housing: 316SS w/ 5 micron cartridges
- Pressure Gauges: 2.5" Dia., 316SS, Pre- & Post-Filter, First Array Feed, Concentrate, Permeate & Interstage
- Variable Frequency Drive (VFD)
- Automatic Inlet Feedwater Valve
- 316SS High Pressure Valves (Concentrate, Recycle)
- 2" Inlet Size
- 2" Permeate Size
- 20 psi Inlet Pressure Required
- Automatic Fast Flush
- TDS Monitor
- Concentrate Recycle Loop
- Sample Valves
- Cleaning Ports
- High Pressure Piping: 316 SS

Options

- 380V/50Hz/208-240V 60Hz 3P
- Anti-Scalant Dosing System
- De-Chlorination Dosing System
- Acid Dosing System
- pH Elevation Dosing System
- pH Monitor/Controller
- ORP Monitor/Controller
- "Cold Water" Membranes
- Recycle Flow Transmitter Digital
- Nanofiltration Membranes are Available
- High Pressure Switch
- Fully Crated for Shipping

EPRO™ LMF Industrial Reverse Osmosis Systems Specifications

	Flow GPM	Number of Elements	Number of Vessels	Pipe Size	Motor Size	Recovery With Recycle	Expected TDS*	Weights** (lbs/kg)
LMF20	20	4	2	2"	10 Hp	70%	<6 ppm	2300/1043
LMF30	30	6	3	2"	15 Hp	70%	<6 ppm	2450/1111
LMF40	40	8	4	2"	15 Hp	70%	<6 ppm	2600/1179
LMF50	50	10	5	2"	20 Hp	70%	<6 ppm	2750/1247
LMF60	60	12	6	2"	20 Hp	70%	<6 ppm	2900/1315
LMF80	80	16	8	2"	30 Hp	70%	<6 ppm	3050/1383
LMF100	100	20	10	3"	40 Hp	70%	<6 ppm	3200/1451
LMF120	120	24	12	3"	50 Hp	70%	<6 ppm	3350/1519

*Based on feedwater of 1,000 ppm @ 25 °C. **Weights may vary.

Dimensions

(Optional Features may increase dimensions)

System	Length (in/cm)	Width (in/cm)	Height (in/cm)
LMF 20-40	110/279	48/122	65/165
LMF 50-60	110/279	45/114	85/216
LMF 80-120	110	67	85



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