



# 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 21 to 60 GPM (30,000 to 86,400 GPD) to address the diverse requirements of light industrial applications and commercial users.

The systems include advanced features, like a touch-screen, PLC-based controller with integrated web server mirroring to allow monitoring and control from a network connected computer. EPRO LMF Series ROs are also equipped with Variable Frequency Drives (VFD) to allow automated process control and consistent permeate output.



## EPRO LMF Series

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



## EPRO LMF Series

80-120 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)
- Automation Direct PLC-Based Control System
- Integrated Webserver to Mirror Touchscreen Controls
- 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)
<b>LMF20</b>	20	4	2	2"	10 Hp	70%	<6 ppm	2300/1035
<b>LMF30</b>	30	6	3	2"	15 Hp	70%	<6 ppm	2450/1103
<b>LMF40</b>	40	8	4	2"	15 Hp	70%	<6 ppm	2600/1170
<b>LMF50</b>	50	10	5	2"	20 Hp	70%	<6 ppm	2750/1238
<b>LMF60</b>	60	12	6	2"	20 Hp	70%	<6 ppm	2900/1305
<b>LMF80</b>	80	16	8	2"	30 Hp	70%	<6 ppm	2900/1305
<b>LMF100</b>	100	20	10	3"	40 Hp	70%	<6 ppm	2900/1305
<b>LMF120</b>	120	24	12	3"	50 Hp	70%	<6 ppm	2900/1305

\*Based on feedwater of 1,000 ppm @ 25 °C

### Dimensions

(Optional Features may increase dimensions)

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



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