

Reverse Osmosis System

Model: FMV
gpd: 800 to 12,000gpd

Now standard:
Intelligent
Control
Processor

- ✓ Menu System w/ Keypad
- ✓ Product water TDS monitoring
- ✓ Hour Meter
- ✓ Feed Water Temperature
- ✓ Tank Full
- ✓ Low Pressure AND MUCH MORE !



STANDARD FEATURES:

- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ Reverse Osmosis membrane
- ✓ Stainless steel membrane vessel
- ✓ High-pressure nylon tubing
- ✓ Liquid-filled high pressure gauge
- ✓ Inlet/outlet pre-filter gauges
- ✓ Liquid-tight wire shrouding
- ✓ Feed water inlet solenoid valve
- ✓ Adjstbl. Waste/Recycle needle valves, s.s.
- ✓ Product/Waste flow meters
- ✓ 10" 5 micron BB pre-filter
- ✓ High-press. brass comp. fittings
- ✓ Up to 60% feed flow recovery rate

Substitute membrane and achieve specific results:

LOW ENERGY = Higher Production,
Lower System Pressure,
Lower Cost Per GPD

NANOFILTRATION = Higher
Recovery Rates, Energy Efficient,
Removes 98% Hardness
up to 85% TDS

Water Store
and
Water Filtration Products

1-800-791-8657



Model: FMV

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Options:

- ▶ Super-Hi-Flow, low energy membrane
- ▶ Nanofiltration membrane
- ▶ Recycle flow meter
- ▶ Automatic flush + Manual flush
- ▶ Pre-treat Lock-out
- ▶ Permeate Purge
- ▶ Recycle flow meter
- ▶ Product Diversion
- ▶ Feed water TDS monitoring
- ▶ Hi-pressure cut-off w/ manual restart
- ▶ 3-phase motor with IEC motor contactor
- ▶ 50hz voltage
- ▶ Export crate

FEED WATER PARAMETERS: ●Temperature 85° F maximum ●Pressure 40 - 80 psi maximum ●TDS 2000 ppm maximum. If higher, consult factory ●Iron tolerance 0.5 ppm maximum ●Hydrogen sulfide must be removed ●Silica tolerance can not be higher than 125 ppm in the concentrate stream. Antiscalant should be considered for any levels over 75 ppm. ●Turbidity should be removed ●Hardness must be removed.

OPERATING PARAMETERS: ●Operating pressure 200 psi maximum ●Water recovery up to 60% and is field adjusted by customer. It is not recommended that the recovery be set higher than 50%. Only under certain conditions can the recovery be set higher. ●pH range 3 - 11 ●Flow rates are determined by the membrane mfg's. testing criteria of 1500 ppm NaCl solution, 77°F water temperature, 225 psi at 10-15% recovery. Typical membrane salt rejection is 95—99%

*** Actual flow rates vary depending on the pre-treatment used, water conditions, feed water temperature, applied pressure and membrane type. Review of feed water analysis report will determine system design and estimated production rate.**

MODEL	GPD	MEMBRANE SIZE / Qty	PIPING			DIMENSIONS weight lbs.
			inlet	waste	prod	
* FMV800	800 - 900	4" x 21"	3/4"	1/2"	1/2"	24"x30"x53"H
* FMV800S	900 +	qty. 1				99 lbs.
FMV-1	1,800~2,000	4" x 40"	3/4"	1/2"	1/2"	24"x30"x53"H
** FMV-1S	2,000 +	qty. 1				140 lbs.
FMV-2	3,600~4,000	4" x 40"	3/4"	1/2"	1/2"	30"x30"x53"H
** FMV-2S	4,000 +	qty. 2				166 lbs.
FMV-3	4,800~5,600	4" x 40"	3/4"	1/2"	1/2"	30"x30"x53"H
** FMV-3S	5,000 +	qty. 3				194 lbs.
FMV-4	6,300~7,200	4" x 40"	3/4"	1/2"	1/2"	30"x30"x56"H
** FMV-4S	7,000 +	qty. 4				236 lbs.
FMV-5	8,000~9,000	4" x 40"	3/4"	1/2"	1/2"	30"x30"x56"H
** FMV-5S	9,000 +	qty. 5				267 lbs.
FMV-6	9,500~10,800	4" x 40"	3/4"	1/2"	1/2"	30"x30"x56"H
** FMV-6S	10,000 +	qty. 6				293 lbs.

* FMV800 model designed with 3/4hp motor/brass rotary vane pump

** S = Energy-saving, low-energy membrane used in these models. Operating pressure is reduced to 100psi, allowing smaller pump/motor.



Aqua Blue

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