

Reverse Osmosis System

Model: ecFMV
gpd: 800 to 12,000gpd

STANDARD FEATURES:

- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ (800gpd only): Rotary vane pump, 3/4hp motor
- ✓ Reverse Osmosis membrane
- ✓ Stainless steel membrane vessel
- ✓ High-pressure nylon tubing
- ✓ Liquid-filled high pressure gauge
- ✓ Feed water inlet solenoid valve
- ✓ Adjstbl. Waste/Recycle needle valves, s.s.
- ✓ 10" 5 micron BB pre-filter
- ✓ High-press. brass comp. fittings
- ✓ Up to 60% feed flow recovery rate



Model shown with option package

STANDARD ELECTRICAL CONTROLS :

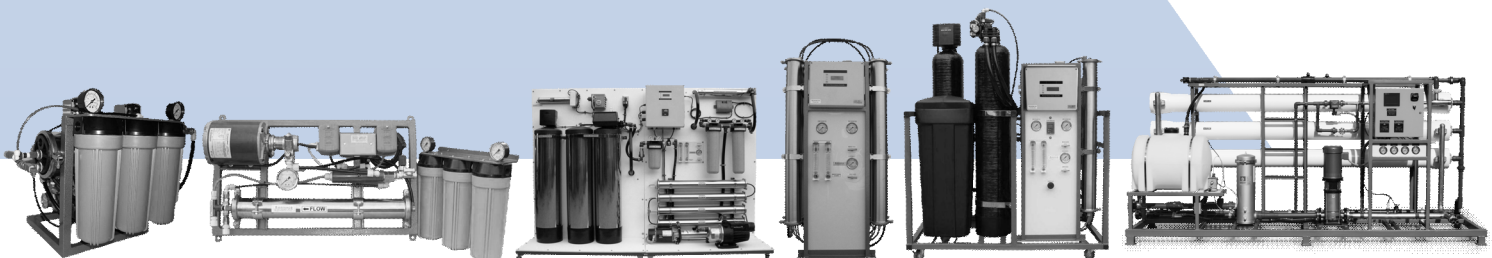
- > Fused Off/On safety switch
- > Flow switch to protect from
- > low/no feed water pressure
- > Float switch for water tank
- > 30 amp motor contactor
- > 110v-60hz or 220v-60hz

Designed to be
Economical
Without compromising
Quality

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



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OPTIONS:

- >Low energy Hi-flow membrane
- >Nanofiltration membrane
- >Product and waste flow meters
- >Pre-filter IN & OUT gauges
- >Recycle valve
- >50 hz electrical

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'r'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	
ecFMV-800 ecFMV-800S	800~900 900~1,450	4" x 21" qty. 1	3/4"	1/2"	1/2"	24"x29"x53"H 126 lbs.
ecFMV-1 ecFMV-1S	1,800~2,000 2,500~2,800	4" x 40" qty. 1	3/4"	1/2"	1/2"	24"x29"x53"H 135 lbs.
ecFMV-2 ecFMV-2S	3,600~4,000 4,500~5,200	4" x 40" qty. 2	3/4"	1/2"	1/2"	24"x29"x53"H 161 lbs.
ecFMV-3 ecFMV-3S	4,800~5,600 5,500~6,500	4" x 40" qty. 3	3/4"	1/2"	1/2"	24"x29"x53"H 189 lbs.
ecFMV-4 ecFMV-4S	6,300~7,200 7,000~8,200	4" x 40" qty. 4	3/4"	1/2"	1/2"	24"x29"x56"H 230 lbs.
ecFMV-5 ecFMV-5S	8,000~9,000 9,000~11,000	4" x 40" qty. 5	3/4"	1/2"	1/2"	24"x29"x56"H 262 lbs.
ecFMV-6 ecFMV-6S	9,500~10,800 10,000~12,000	4" x 40" qty. 6	3/4"	1/2"	1/2"	24"x29"x56"H 288 lbs.