

# Reverse Osmosis

## MODEL: Economy Frame Mount

Gallons per Day:  
1,800 to 10,800

*Designed to be economical without compromising quality.*



### STANDARD FEATURES:

- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ Thin film composite membrane
- ✓ Stainless steel membrane vessel
- ✓ High-pressure nylon tubing
- ✓ Liquid-filled high pressure gauge
- ✓ Feed water inlet solenoid valve
- ✓ Adjstbl. waste needle valve, s.s.
- ✓ 10" 5 micron BB pre-filter
- ✓ High-press. brass comp. fittings
- ✓ Feed water inlet solenoid valve
- ✓ Up to 60% feed flow recovery rate
- ✓ 10" 5 micron BB pre-filter
- ✓ High-press. brass comp. fittings

### STANDARD ELECTRICAL

#### CONTROLS :

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

### OPTIONS:

- Product and waste flow meters
- TDS digital monitor, panel mounted
- Pre-filter IN & OUT gauges, liquid-filled
- Recycle valve (requires waste flow meter)
- Tank pressure switch
- 50 hz electrical
- Shipping 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 mfr'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 may vary depending on the pre-treatment used, water conditions, feed water temperature and applied pressure, etc.

MODEL	* GPD	MEMBRANE	MOTOR	PIPING			DIMENSIONS
				inlet	waste	prod	
ECFMV-1	1,800~2,000	4" x 40" 1ea.	1.5 HP	1"	1/2"	1/2"	24"x29"x53"H
ECFMV-2	3,600~4,000	4" x 40" 2ea.	2 HP	1"	1/2"	1/2"	24"x29"x53"H
ECFMV-3	4,800~5,600	4" x 40" 3ea.	2 HP	1"	1/2"	1/2"	24"x29"x53"H
ECFMV-4	6,300~7,200	4" x 40" 4ea.	3 HP	1"	1/2"	1/2"	24"x29"x56"H
ECFMV-5	8,000~9,000	4" x 40" 5ea.	3 HP	1"	1/2"	1/2"	24"x29"x56"H
ECFMV-6	9,500~10,800	4" x 40" 6ea.	3 HP	1"	1/2"	1/2"	24"x29"x56"H

**\* Increase GPD at low cost, ask about "shf" membrane**



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Manufactured by:



Phone: 951-940-4300 Fax: 951-346-3904

Toll-free: 800-477-6464

E-Mail: [info@rosystemsinternational.com](mailto:info@rosystemsinternational.com)

[www.rosystemsinternational.com](http://www.rosystemsinternational.com)