

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
- ✓ Liquid-tight wire shrouding
- ✓ Feed water inlet solenoid valve
- ✓ Adjstbl. waste & recycle needle valves
- ✓ Product & waste flow meters
- ✓ 5 micron 10"x4.5" sediment pre-filter
- ✓ Inlet and outlet pre-filter gauges
- ✓ High-pressure brass comp. fittings
- ✓ 110v or 220v-60hz electrical supply
- ✓ Up to 60% feed flow recovery rate

ELECTRICAL CONTROLS :

- ✓ NEMA 4 fiberglass enclosure
 - ✓ Off/On switch
 - ✓ Dual level float switches
 - ✓ Low pressure switch
 - ✓ Low pressure bypass delay
 - ✓ Fused control circuit
 - ✓ 24 volt level control circuit
 - ✓ Time delay start
 - ✓ 30 amp motor contactor
- Lights: power, running, low pressure, tank full

Reverse Osmosis
MODEL: Frame Mount Vertical
Gallons per Day: 1,800 to 10,800



OPTIONS:

- Automatic hourly flush
- Tank pressure switch (product)
- Pre-treat lock-out with light
- High pressure cut-off w/auto restart and manual override
- TDS digital monitor, panel mounted
- Hour meter
- Recycle flow meter
- 50 hz electrical requirement

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 may vary depending on the pre-treatment used, water conditions, feed water temperature and applied pressure, etc.

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

MODEL	* GPD	MEMBRANE	MOTOR	PIPING			DIMENSIONS		
				inlet	waste	prod	WIDTH	DEPTH	HEIGHT
FMV-1	1,800 ~ 2,000	4" x 40" 1ea.	1.5 HP	1"	1/2"	1/2"	24"	29"	53"H
FMV-2	3,600 ~ 4,000	4" x 40" 2ea.	2 HP	1"	1/2"	1/2"	24"	29"	53"H
FMV-3	4,800 ~ 5,600	4" x 40" 3ea.	2 HP	1"	1/2"	1/2"	24"	29"	53"H
FMV-4	6,300 ~ 7,200	4" x 40" 4ea.	3 HP	1"	1/2"	1/2"	29"	29"	56"H
FMV-5	8,000 ~ 9,000	4" x 40" 5ea.	3 HP	1"	1/2"	1/2"	29"	29"	56"H
FMV-6	9,500 ~ 10,800	4" x 40" 6ea.	3 HP	1"	1/2"	1/2"	29"	29"	56"H

Manufactured by:



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