

STANDARD FEATURES:

- ✓ Reverse Osmosis membrane
- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ Stainless steel membrane vessel
- ✓ High-pressure nylon tubing
- ✓ SCH80 PVC piping (FMV-8, 8S only)
- ✓ Liquid-filled high pressure gauge
- ✓ Inlet/outlet pre-filter gauges
- ✓ Liquid-tight wire shrouding
- ✓ Feed water inlet solenoid valve
- ✓ Adjstbl. Waste/Recycle s.s. needle valves
- ✓ Product/Waste flow meters
- ✓ 10" 5 micron BB pre-filter
- ✓ High-press. brass comp. fittings

STANDARD ELECTRICAL CONTROLS :

- ✓ 4-line LCD display
- ✓ Keypad
- ✓ Menu system
- ✓ Temperature display
- ✓ TDS monitor with probe
- ✓ Tank full
- ✓ Low pressure
- ✓ Hour meter
- ✓ Time delay start
- ✓ System On/Off
- ✓ Dual-level control
- ✓ Fully-fused



Optional FEATURES:

- ▶ Nanofiltration membrane (Removes 98% hardness, up to 85% TDS, high recovery rate)
- ▶ Blending valve
- ▶ Throttle valve
- ▶ Electrical outlet on frame for anti-scalant pump.
- ▶ Recycle flow meter
- ▶ 20" BB pre-filter
- ▶ 3phase motor w/IEC
- ▶ 50hz motor
- ▶ Auto hourly flush
- ▶ Feed water TDS monitor

- ▶ Pre-treatment lock-out
- ▶ Product diversion
- ▶ Permeate purge
- ▶ Hi-pressure cut-off

MODEL	*GPD	Feed TDS 2,000		Membrane 4" x 40" Qty.	motor	Operating pressure	110v- 60hz AMPS	220v- 60hz-1ph AMPS	RECOVERY RATE %	PIPING inlet waste prod	DIMENSIONS weight lbs.
		BELOW	ABOVE								
FMV-1S FMV-1	1,800+ 1,600+	●	●	1 1	.75hp 1.5hp	150psi 200psi	11.6 20.0	5.8 10.4	50-70	3/4" 1/2" 1/2" FPT FPT FPT	24"x 29"x 53"H 140 lbs.
FMV-2S FMV-2	3,600+ 3,170+	●	●	2 2	.75hp 1.5hp	150psi 200psi	11.6 20.0	5.8 10.4	50-70	3/4" 1/2" 1/2" FPT FPT FPT	30"x 30"x 53"H 166 lbs.
FMV-3S FMV-3	5,400+ 4,750+	●	●	3 3	.75hp 1.5hp	150psi 200psi	11.6 20.0	5.8 10.4	50-70	3/4" 1/2" 1/2" FPT FPT FPT	30"x 30"x 53"H 194 lbs.
FMV-4S FMV-4	7,200+ 6,340+	●	●	4 4	2hp 3hp	150psi 200psi	19.2 n/a	9.8 13	50-70	3/4" 1/2" 1/2" FPT FPT FPT	30"x 30"x 56"H 236 lbs.
FMV-5S FMV-5	9,000+ 7,900+	●	●	5 5	3hp 3hp	150psi 200psi	n/a n/a	13 13	50-70	3/4" 1/2" 1/2" FPT FPT FPT	30"x 30"x 56"H 267 lbs.
FMV-6S FMV-6	10,800+ 9,500+	●	●	6 6	3hp 3hp	150psi 200psi	n/a n/a	13 13	50-70	3/4" 1/2" 1/2" FPT FPT FPT	30"x 30"x 56"H 293 lbs.
FMV-8S FMV-8	14,400+ 12,670+	●	●	8 8	3hp 3hp	150psi 200psi	n/a n/a	13 13	50-70	3/4" 1/2" 1/2" FPT FPT FPT	30"x 40"x 56"H 320 lbs

***FEED WATER PARAMETERS** ♦Temperature 85° F maximum ♦Pressure 40 - 80 psi maximum ♦TDS 2000-5000ppm (consult Dealer for specific model). ♦Iron tolerance 0.5 ppm maximum ♦Hydrogen sulfide must be removed ♦Silica tolerance can not be higher than 100 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 150-200 psi maximum ♦Water recovery up to 70% and is field adjusted by customer. It is not recommended that the recovery be set higher than 70%. ♦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.

Manufactured by:

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