

### 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
- (FMV-8S & FMV-10S only —Throttle Valve, Recycle Valve & Recycle Flow Meter)

### 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
- ▶ Blending valve
- ▶ Recycle flow meter
- ▶ 20" BB pre-filter
- ▶ Auto hourly flush
- ▶ Feed water TDS monitor
- ▶ Pre-treatment lock-out
- ▶ Product diversion
- ▶ Permeate purge
- ▶ Hi-pressure cut-off
- ▶ 3phase motor w/IEC
- ▶ 50hz motor
- ▶ Electrical outlet on frame for anti-scalant pump.
- ▶ Throttle valve (standard for FMV-1S & FMV-2S)

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" FPT	1/2" FPT	1/2" 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" FPT	1/2" FPT	1/2" 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" FPT	1/2" FPT	1/2" 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" FPT	1/2" FPT	1/2" FPT	30"x 30"x 56"H 236 lbs.
FMV-5S FMV-5	9,000+ 7,900+	●	●	5 5	2hp 3hp	150psi 200psi	19.2 n/a	9.8 13	50-70	3/4" FPT	1/2" FPT	1/2" FPT	30"x 30"x 56"H 267 lbs.
FMV-6S FMV-6	10,800+ 9,500+	●	●	6 6	2hp 3hp	150psi 200psi	19.2 n/a	9.8 13	50-70	3/4" FPT	1/2" FPT	1/2" FPT	30"x 30"x 56"H 293 lbs.
FMV-8S	14,400+	●		8	3hp	150psi	n/a	13	50-70	1" FPT	1/2" FPT	3/4" FPT	30"x 37"x 61"H 320 lbs
FMV-10S	19,000+	●		10	3hp	150psi	n/a	13	50-70	1" FPT	1/2" FPT	3/4" FPT	30"x 45"x 61"H 386 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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