

STANDARD FEATURES:

- ✓ Reverse Osmosis membrane
- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ Stainless steel membrane vessel
- ✓ Liquid-filled high pressure gauge and inlet/outlet pre-filter gauges
- ✓ Feed water inlet solenoid valve
- ✓ Adjstbl. Waste/Recycle s.s. needle valves
- ✓ Product/Waste flow meters
- ✓ 20" 5 micron BB pre-filter
- ✓ Throttle valve

Note standard: FMV-8S 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 float switch
- ✓ Fully-fused



Optional FEATURES:

- ▶ Nanofiltration membrane
- ▶ Blending valve
- ▶ Recycle flow meter
- ▶ Auto hourly flush
- ▶ Feed water TDS monitor
- ▶ Pre-treatment lock-out
- ▶ Product diversion
- ▶ Permeate purge
- ▶ Hi-pressure cut-off
- ▶ 3phase motor w/IEC motor contactor w/overload relay
- ▶ 50hz motor
- ▶ Electrical outlet on frame for anti-scalant pump.

MODEL	*GPD	Feed TDS 2,000 BELOW ABOVE	Membrane 4" x 40" Qty.	motor	Operating pressure	110v- 60hz AMPS	220v- 60hz-1ph AMPS	RECOVERY RATE %	PIPING inlet waste prod	DIMENSIONS weight lbs.
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	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 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" 1/2" 1/2" FPT FPT FPT	30"x 30"x 56"H 293 lbs.
FMV-8S	14,400+	●	8	3hp	150psi	n/a	13	50-70	1" 1/2" 3/4" FPT FPT FPT	30"x 40"x 56"H 320 lbs

OPERATING PARAMETERS: ●Operating pressure range from 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.. 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.

FEED WATER PARAMETERS: ●Feed temperature 85° F maximum ●Feed 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.

Manufactured by:

Rev. 01-2020



E-Mail: sales@rosystemsinternational.com
Web: www.rosystemsinternational.com
Phone: 951-940-4300 Fax: 951-346-3904