

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 standard for models: ECFMV-1S and ECFMV-2S

Note: ECFMV-8S & ECFMV-10S only:
 Throttle Valve, Recycle Valve & Recycle Flow Meter

STANDARD ELECTRICAL CONTROLS :

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

Options:

- ▶ Nanofiltration membrane
- ▶ Blending valve + TDS monitor
- ▶ Recycle flow meter
- ▶ Throttle valve
- ▶ TDS monitor



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.
ECFMV-1S ECFMV-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.
ECFMV-2S ECFMV-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.
ECFMV-3S ECFMV-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.
ECFMV-4S ECFMV-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.
ECFMV-5S ECFMV-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.
ECFMV-6S ECFMV-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.
ECFMV-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
ECFMV-10S	18,500+	●	10	3hp	150psi	n/a	13	50-70	1" 1/2" 3/4" FPT FPT FPT	30"x 45"x 56"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 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, 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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