

**STANDARD FEATURES:**

- ✓ Reverse Osmosis membrane
- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ Stainless steel membrane vessel
- ✓ High-pressure nylon tubing
- ✓ Liquid-filled high pressure gauge
- ✓ Inlet/outlet pre-filter gauges
- ✓ 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 :**

- ✓ 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
- ▶ Upgrade pre-filter to 20" BB



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