

STANDARD FEATURES:

- ✓ High efficiency TFC membrane
- ✓ Stainless steel membrane vessel
- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ Throttle Valve
- ✓ Liquid-filled system pressure gauge
- ✓ Liquid-filled Inlet/Outlet pre-filter gauges
- ✓ Adjstbl SS Waste/Recycle needle valves
- ✓ Product, Waste, Recycle Flow Meters
- ✓ Float switch for open tank
- ✓ SS Feed water inlet solenoid valve
- ✓ 20" BB 5 micron sediment pre-filter
- ✓ 110V-60hz or 220v-60hz-1ph

OPTIONS:

- ▶ TDS monitor
- ▶ Blending valve
- ▶ Tank high-pressure switch
- ▶ Outlet on frame for injection pump
- ▶ System Flushing/Auto Flush
- ▶ Permeate Purge
- ▶ Pretreat Lock-out
- ▶ 20" BB carbon post-filter
- ▶ Addt'l 20" BB pre-sediment
- ▶ 50hz motor



Standard with MINI-CONTROLLER:



- > Tank Full
- > Inlet Valve
- > RO Pump / Startup delay
- > Low Pressure
- > System Flushing-**optional**
- > Permeate Purge-**optional**
- > Pretreat Lock-Out-**optional**

MODEL	*GPD	Recommend feed TDS up to:	Membrane 4" x 40" Qty.	Motor	System Pressure PSI	110v-60hz AMPS	208/230v-60hz-1ph AMPS	RECOVERY RATE % Up to:	PIPING inlet waste prod	DIMENSIONS Shipping Weight
ECFMV-1S	1,800+	2,000 ppm	1 LE	1hp	150	11.6	6.5 / 5.8	70%	3/4" 1/2" 1/2"	24"x 29"x 53"H
ECFMV-1N	1,800+	2,000 ppm	1 NANO	1hp	75-100	11.6	6.5 / 5.8	80%	FPT FPT FPT	140 lbs.
ECFMV-1	1,600+	4,000 ppm	1 BW	1.5hp	200	15.2	8.4 / 7.6	70%		
ECFMV-2S	3,600+	2,000 ppm	2 LE	1hp	150	11.6	6.5 / 5.8	70%	3/4" 1/2" 1/2"	30"x 30"x 53"H
ECFMV-2N	3,600+	2,000 ppm	2 NANO	1hp	75-100	11.6	6.5 / 5.8	80%	FPT FPT FPT	166 lbs.
ECFMV-2	3,200+	4,000 ppm	2 BW	1.5hp	200	15.2	8.4 / 7.6	70%		
ECFMV-3S	5,400+	2,000 ppm	3 LE	1hp	150	11.6	6.5 / 5.8	70%	3/4" 1/2" 1/2"	30"x 30"x 53"H
ECFMV-3N	5,400+	2,000 ppm	3 NANO	1hp	75-100	11.6	6.5 / 5.8	80%	FPT FPT FPT	194 lbs.
ECFMV-3	4,800+	4,000 ppm	3 BW	2hp	200	20.1	11.1 / 10.0	70%		
ECFMV-4S	7,200+	2,000 ppm	4 LE	2hp	150	20.1	11.1 / 10.0	70%	3/4" 1/2" 1/2"	30"x 30"x 56"H
ECFMV-4N	7,200+	2,000 ppm	4 NANO	2hp	75-100	20.1	11.1 / 10.0	80%	FPT FPT FPT	236 lbs.
ECFMV-4	6,400+	4,000 ppm	4 BW	3hp	200	n/a	14.6	70%		
ECFMV-5S	9,000+	2,000 ppm	5 LE	2hp	150	20.1	11.1 / 10.0	70%	3/4" 1/2" 1/2"	30"x 30"x 56"H
ECFMV-5N	9,000+	2,000 ppm	5 NANO	2hp	75-100	20.1	11.1 / 10.0	80%	FPT FPT FPT	267 lbs.
ECFMV-5	8,000+	4,000 ppm	5 BW	3hp	200	n/a	14.6	70%		
ECFMV-6S	10,800+	2,000 ppm	6 LE	2hp	150	20.1	11.1 / 10.0	70%	3/4" 1/2" 1/2"	30"x 30"x 56"H
ECFMV-6N	10,800+	2,000 ppm	6 NANO	2hp	75-100	20.1	11.1 / 10.0	80%	FPT FPT FPT	293 lbs.
ECFMV-6	9,600+	4,000 ppm	6 BW	3hp	200	n/a	14.6	70%		
ECFMV-8S	14,400+	2,000 ppm	8 LE	3hp	150	n/a	14.6	70%	1" 1/2" 3/4"	30"x 40"x 56"H
ECFMV-8N	14,400+	2,000 ppm	8 NANO	3hp	75-100	n/a	14.6	80%	FPT FPT FPT	320 lbs.

* GPD/24 hr = System flow rate and membrane performance vary depending upon customer's pre-treatment used, feed water conditions, feed temperature, applied pressure and membrane type.

Membrane manufacturer's testing criteria of 1500 ppm NaCl solution, 77°F water temperature. Typical membrane salt rejection is 95--99%. pH range 3 - 11.
FEED WATER PARAMETERS: Feed temperature 85° F maximum. **Feed pressure 40 psi min** to 80 psi maximum. 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 and Chlorine must be removed.

Manufactured by:

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