

Designed to be
economical
without compromising
Quality

Wall mounted
also available

GPD: 1,800
to
12,000

Substitute membrane
and achieve
specific results:

LOW ENERGY =
Higher Production,
Lower System Pressure,
Lower Cost Per GPD

NANOFILTRATION =
Higher Recovery Rates,
Energy Efficient,
Removes 98% TDS



Standard Features:

- Powder-coated steel frame
- Stainless steel multi-stage pump
- Reverse Osmosis membrane
- Stainless steel membrane vessel
- High-pressure nylon tubing
- Liquid-filled high pressure gauge
- Feed water inlet solenoid valve
- Adjstbl. waste needle valve, s.s.
- 10" 5 micron BB pre-filter
- High-press. brass comp. fittings
- Up to 60% feed flow recovery rate

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:

Low Energy Hi-flow membrane
 Nanofiltration membrane
 Product / Waste flow meters
 Recycle valve
 TDS digital monitor
 Pre-filter IN & OUT gauges
 50 hz electrical

FEED WATER PARAMETERS (standard membrane):

•Temperature 85° F maximum •Pressure 40 - 80 psi maximum •TDS 2000 ppm maximum. If higher, consult factory
 •Iron tolerance 0.5 ppm maximum •Hydrogen sulfide must be removed •Silica tolerance can not be higher than 125 ppm in the concentrate stream. Antiscalant should be considered for any levels over 75 ppm.
 •Turbidity should be removed •Hardness over 10ppg should be softened.

OPERATING PARAMETERS (standard membrane):

•Operating pressure 200 psi maximum •Water recovery is factory set at 33 - 35%
 •pH range 3 - 11 •Flow rates are determined by the membrane mfr'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 may vary depending on the pre-treatment used, water conditions, system size, membrane array and applied pressure.

MODEL	GPD	MEMBRANE SIZE / Qty	PIPING			DIMENSIONS weight lbs.
			inlet	waste	prod	
ecFMV-1 ecFMV-1S	1,800~2,000 2,500~2,800	4" x 40" qty. 1	1"	1/2"	1/2"	24"x29"x53"H 140 lbs.
ecFMV-2 ecFMV-2S	3,600~4,000 4,500~5,200	4" x 40" qty. 2	1"	1/2"	1/2"	24"x29"x53"H 166 lbs.
ecFMV-3 ecFMV-3S	4,800~5,600 5,500~6,500	4" x 40" qty. 3	1"	1/2"	1/2"	24"x29"x53"H 194 lbs.
ecFMV-4 ecFMV-4S	6,300~7,200 7,000~8,200	4" x 40" qty. 4	1"	1/2"	1/2"	24"x29"x56"H 236 lbs.
ecFMV-5 ecFMV-5S	8,000~9,000 9,000~11,000	4" x 40" qty. 5	1"	1/2"	1/2"	24"x29"x56"H 267 lbs.
ecFMV-6 ecFMV-6S	9,500~10,800 10,000~12,000	4" x 40" qty. 6	1"	1/2"	1/2"	24"x29"x56"H 293 lbs.

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Your Rayne Dealer:

Boyett Family Rayne Water Conditioning

38 E. 5th Ave. Mesa, AZ 85210

Call Us Today! (480) 969-7251

