

STANDARD FEATURES:

- ✓ Reverse Osmosis membrane
- ✓ Stainless steel membrane vessel
- ✓ Powder-coated steel frame
- ✓ Liquid-filled system pressure gauge
- ✓ Inlet/Outlet pre-filter gauges
- ✓ Fixed waste / recycle flow controls, stainless steel
- ✓ High-pressure nylon tubing
- ✓ High-pressure brass comp. fittings
- ✓ Storage tank pressure switch
- ✓ Feed water inlet solenoid valve
- ✓ Feed water low pressure switch
- ✓ Rotary vane pump
- ✓ 1/2 to 3/4 hp motor
- ✓ 10" 5 micron sediment pre-filter (1)
- ✓ 10" carbon block pre-filters (2)
- ✓ 110 volt—50/60hz



Options:

- ▶ Nanofiltration membrane
(Removes 98% hardness, up to 85% TDS, high recovery rate)
- ▶ Float switch for open tank
- ▶ Wall-mount design
- ▶ 220v / 60hz ...or... 220v / 50hz

MODEL	*GPD	Feed TDS		Membrane size	HP	110v-60hz amps	220v-60hz-1 ph amps	RECOVERY RATE	PIPING			DIMENSIONS weight lbs.
		BELOW 2,000	ABOVE 2,000						inlet	waste	prod	
COM150S COM150	175+ 150+	●	●	2.5" x 14" 2.5" x 14"	1/2hp 1/2hp	7.2 7.2	3.6 3.6	50—60%	1/2" FPT	3/8" FPT	3/8" FPT	21"x 16"x 18"H 53 lbs.
COM250S COM250	275+ 250+	●	●	2.5" x 21" 2.5" x 21"	1/2hp 1/2hp	7.2 7.2	3.6 3.6	50—60%	1/2" FPT	3/8" FPT	3/8" FPT	26"x 16"x 18"H 55 lbs.
COM450S COM450	475+ 450+	●	●	4" x 14" 4" x 14"	1/2hp 1/2hp	7.2 7.2	3.6 3.6	50—60%	1/2" FPT	3/8" FPT	3/8" FPT	21"x 16"x 18"H 58 lbs.
COM800S COM800	850+ 800+	●	●	4" x 21" 4" x 21"	3/4hp 3/4hp	10.4 10.4	5.2 5.2	50—60%	1/2" FPT	3/8" FPT	3/8" FPT	26"x 16"x 18"H 63 lbs.

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 100 ppm in the concentrate stream. Antiscalant should be considered for any levels over 75 ppm. ◆Turbidity should be removed ◆Hardness over 10gpg should be softened.

OPERATING PARAMETERS (standard membrane):

◆Operating pressure 200 psi maximum ◆Water recovery is factory set at 50—60% ◆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 may vary depending on the pre-treatment used, water conditions, system size, membrane array and applied pressure.

Manufactured by:

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