

Reverse Osmosis System

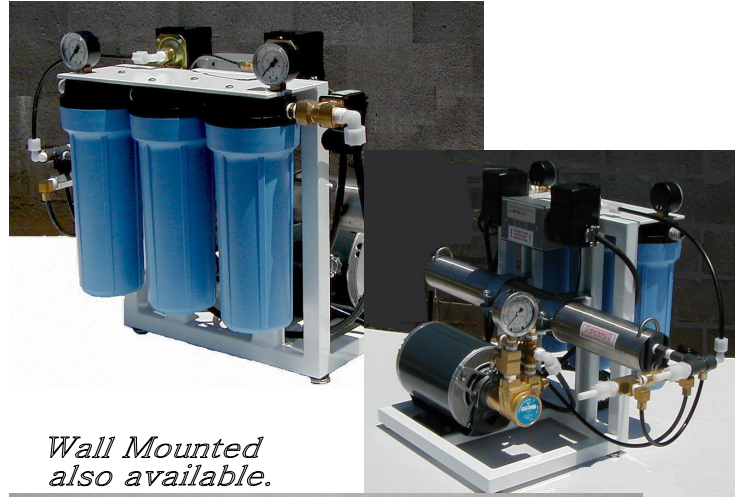
Gallons per Day: **MODEL: Compact**
150, 250,
450, 800, 1,600

STANDARD FEATURES:

- ✓Thin film composite 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 hp motor (150—450 gpd)
- ✓3/4 hp motor (800 gpd)
- ✓10" 5 micron sediment pre-filter (1)
- ✓10" carbon block pre-filters (2)
- ✓110 volt—50/60hz

OPTIONS:

- Float switch for atmospheric tank
- 220 volt—50/60hz
- Wall mounted design



Wall Mounted also available.



FEED WATER PARAMETERS:

- ◆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 10gpg should be softened.

OPERATING PARAMETERS:

- ◆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.

***Increase GPD at low cost, ask about "shf" membrane**

MODEL	* GPD	MEMBRANE	PIPING			DIMENSIONS
			inlet	waste	prod	
COM 150	150 +	2.5" x 14" 1 ea.	1/2"	3/8"	3/8"	21"x16"x18"H 65 lbs.
COM 250	250 +	2.5" x 21" 1 ea.	1/2"	3/8"	3/8"	26"x16"x18"H 68 lbs.
COM 450	450 +	4" x 14" 1 ea.	1/2"	3/8"	3/8"	21"x16"x18"H 72 lbs.
COM 800	800 +	4" x 21" 1 ea.	1/2"	3/8"	3/8"	26"x16"x18"H 74 lbs.

Manufactured by:



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