

Reverse Osmosis System

Model: COM (Compact)
gpd: 175 to 850gpd

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	up to GPD	MEMBRANE Size and Type	PIPING			RECOVERY RATE	DIMENSIONS
			Inlet	Waste	Product		
COM150S	175+	2.5" x 14" Low Energy	1/2" FPT	3/8" TUBE	3/8" TUBE	50% to 60%	21"x16"x18"H 53 lbs.
COM250S	275+	2.5" x 21" Low Energy	1/2" FPT	3/8" TUBE	3/8" TUBE	50% to 60%	26"x16"x18"H 55 lbs.
COM450S	475+	4" x 14" Standard 4" x 14" Low Energy	1/2" FPT	3/8" TUBE	3/8" TUBE	50% to 60%	21"x16"x18"H 58 lbs.
COM800 COM800S	800 850+	4" x 21" Standard 4" x 21" Low Energy	1/2" FPT	3/8" TUBE	3/8" TUBE	50% to 60%	26"x16"x18"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 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.