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 Inlet	Waste	Product	RECOVERY RATE	DIMENSIONS
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 mfgr'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.***