

# Reverse Osmosis System

Model: COM-II (Compact-II)  
gpd: 175 to 850+gpd

## 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
- ✓ 20" 5 micron sediment pre-filter (1)
- ✓ 20" carbon block pre-filters (1)
- ✓ 110 volt—50/60hz



## Options:

- ▶ Nanofiltration membrane  
*(Removes 98% hardness, up to 85% TDS, high recovery rate)*
- ▶ Float switch for open tank
- ▶ Product and Waste Flow Meters
- ▶ 220v / 60hz ...or.... 220v / 50hz

MODEL	GPD range	MEMBRANE Size and Type	PIPING			RECOVERY RATE	DIMENSIONS
			Inlet	Waste	Product		
COM-II-150S	175+	2.5" x 14" Low Energy	1/2" FPT	3/8" TUBE	3/8" TUBE	50% to 60%	14"x16"x30"H 61 lbs.
COM-II-250S	275+	2.5" x 21" Low Energy	1/2" FPT	3/8" TUBE	3/8" TUBE	50% to 60%	14"x16"x30"H 63 lbs.
COM-II-450S	475+	4" x 14" Low Energy	1/2" FPT	3/8" TUBE	3/8" TUBE	50% to 60%	14"x16"x30"H 66 lbs.
COM-II-800 COM-II-800S	800 850+	4" x 21" Standard 4" x 21" Low Energy	1/2" FPT	3/8" TUBE	3/8" TUBE	50% to 60%	14"x16"x30"H 71 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.*