

Reverse Osmosis Equipment 150 - 1,500 gpd



Model: COMPACT - II



Model Shown: COM-II-450

Quality-built
Design allows for optional features

Operating pressure: 200psi
Voltage: 110v or 220v

compact - ii



COMPACT - II

GPD: 150 - 1,500

STANDARD FEATURES:

- ✓Thin film composite membrane
- ✓PVC membrane housing
- ✓Powder-coated steel frame
- ✓Liquid-filled system pressure gauge
- ✓Pressurized tank pressure gauge
- ✓Fixed flow control, stainless steel
- ✓High-pressure nylon tubing
- ✓High-pressure brass comp. fittings
- ✓Storage tank pressure switch
- ✓Feed water inlet solenoid valve
- ✓1/2 hp 50/60 hz motor
- ✓Rotary vane pump
- ✓20" 5 micron sediment pre-filter
- ✓20" carbon block pre-filter

OPTIONS:

- Float switch for atmospheric storage tank
- Product and waste flow meters
- Inlet and outlet pre-filter gauges
- Manual Flush
- Adjustable waste and recycle valves
- Low feed water pressure switch
- High-flow membrane
- 3/4 hp 50/60 hz motor
- 220volt motor

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 adjustable and suggested to be set at 33%.
 Water recovery should not exceed 50% ●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. Actual flow rates may vary depending on the pre-treatment used, water conditions, system size, membrane array and applied pressure.

MODEL	GPD		MEMBRANE	PIPING			DIMENSIONS
	STNDRD	HI-FLOW		inlet	waste	prod	
COM-II 150	150	250	2.5" x 14" 1ea.	1/2"	3/8"	3/8"	14" x 16" x 30"H 85 lbs.
COM-II 250	250	450	2.5" x 21" 1ea.	1/2"	3/8"	3/8"	14" x 16" x 30"H 88 lbs.
COM-II 450	450	700	4" x 14" 1ea.	1/2"	3/8"	3/8"	14" x 16" x 30"H 92 lbs.
COM-II 800	800	1,000	4" x 21" 1ea.	1/2"	3/8"	3/8"	14" x 16" x 30"H 95 lbs.
COM-II 1500	1,500	1,800	4" x 40" 1ea.	1/2"	3/8"	3/8"	14" x 16" x 46"H 105lbs.

