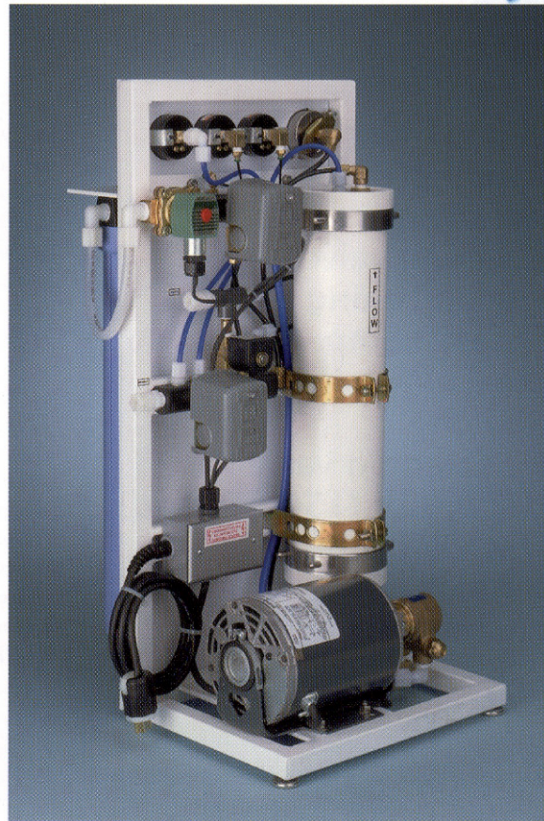
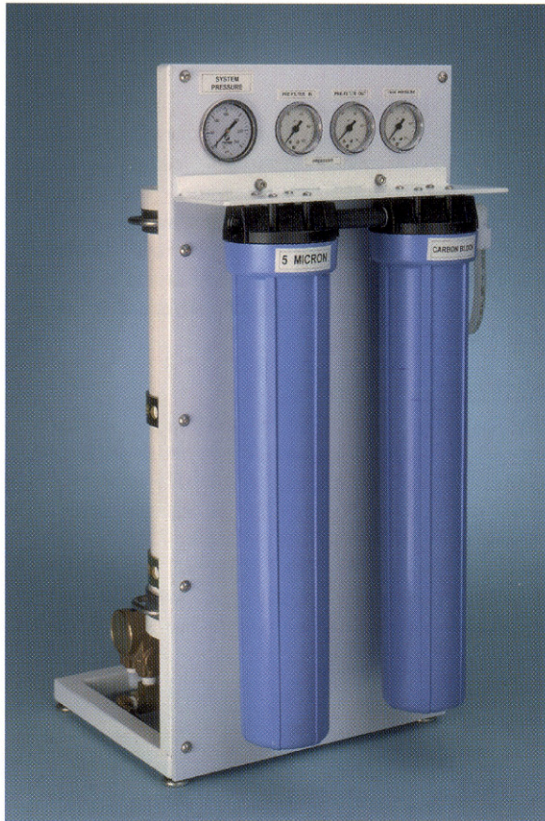


Commercial Reverse Osmosis Equipment Model: Compact - II

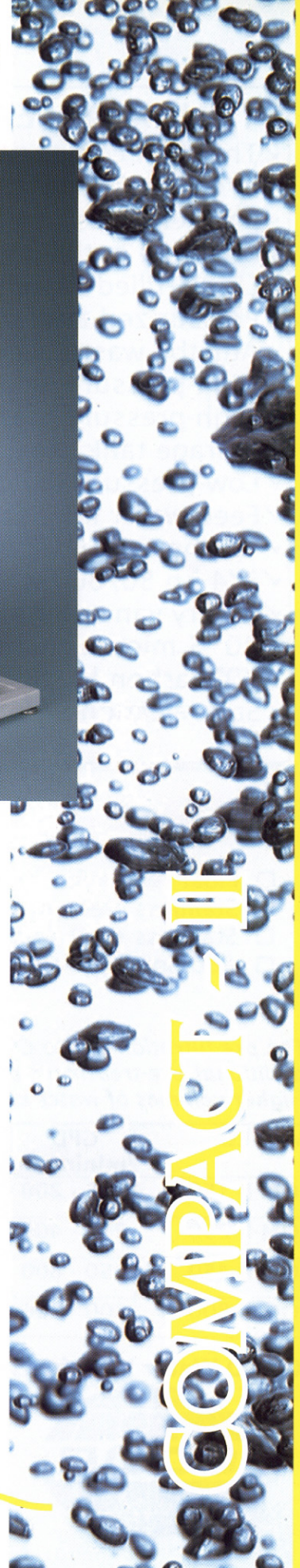


- Compact design requires minimal installation space
 - Designed for municipal/tap water source
- Quality components utilized for system construction
 - Designed for optimum water recovery
 - Adjustable waste and recycle flow controls
 - Quick and easy system installation
- Available for pressure or open tank applications
 - 12-month (one year) factory warranty



Output Production: 150 gpd up to 800 gpd

COMPACT - II



COMPACT - II
GPD: 150 - 800

STANDARD FEATURES:

- ✓Thin film composite membrane
- ✓PVC membrane housing
- ✓Powder-coated steel frame
- ✓Inlet and outlet pre-filter gauges
- ✓Liquid-filled system pressure gauge
- ✓Pressurized tank pressure gauge
- ✓Adjstbl. waste/recycle valves
- ✓High-pressure nylon tubing
- ✓High-pressure brass comp. fittings
- ✓Storage tank pressure switch
- ✓Low-pressure switch
- ✓Feed water inlet solenoid valve
- ✓1/2 hp 50/60 hz motor (150-450gpd)
- ✓3/4 hp 50/60 hz motor (800gpd)
- ✓Rotary vane pump
- ✓20" 5 micron sediment pre-filter
- ✓20" carbon block pre-filter
- ✓Salt rejection 95 - 99%

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'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.

OPTIONS:

- Float switch for atmospheric storage tank
- Stainless steel pump
- Stainless steel membrane housing
- Additional pre-treatment, *see below:*
- Product and waste flow meters
- Stainless steel needle valves
- Manual flush
- 220 volt motor

The pre-filtration on the COMPACT is sufficient for the 150 and 250 gpd models. It is advisable that additional pre-treatment be installed in front of the COMPACT for the 450 and 800 gpd models. Higher volumes of water passing through the COMPACT can shorten filter life.

MODEL	GPD (minimum)	MEMBRANE	PIPING			DIMENSIONS	
			inlet	waste	prod		
COM-II 150	150 - 200	2.5" x 14" 1ea.	3/8"	3/8"	3/8"	14" x 16" x 30"H	85 lbs.
COM-II 250	250 - 400	2.5" x 21" 1ea.	3/8"	3/8"	3/8"	14" x 16" x 30"H	88 lbs.
COM-II 450	450 - 600	4" x 14" 1ea.	3/8"	3/8"	3/8"	14" x 16" x 30"H	92 lbs.
COM-II 800	800 - 900	4" x 21" 1ea.	1/2"	3/8"	3/8"	14" x 16" x 30"H	95 lbs.

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