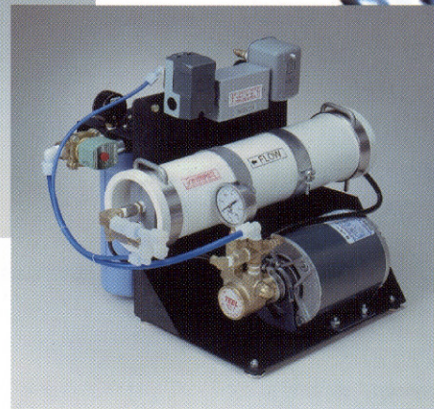
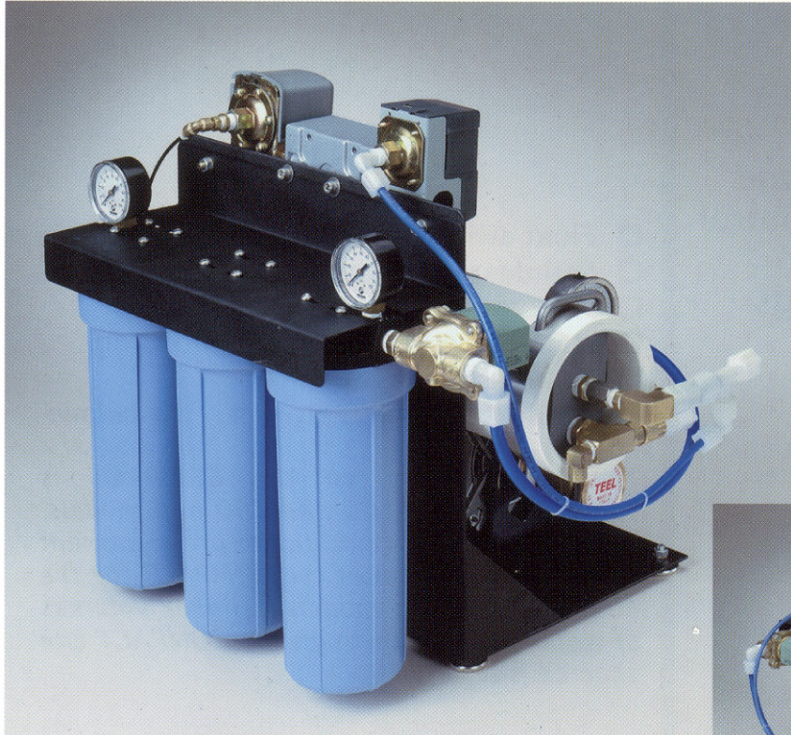


# Commercial Reverse Osmosis Equipment Model: Compact - I



- Compact design requires minimal installation space
  - Designed for municipal/tap water source
- Quality components utilized for system construction
  - Designed for optimum water recovery
  - 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 - I

COMPACT - I  
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
- ✓S.S. waste & recycle fixed flow control
- ✓High-pressure nylon tubing
- ✓High-pressure brass comp. fittings
- ✓Storage tank pressure switch
- ✓Low-pressure switch
- ✓Feed water inlet solenoid valve
- ✓1/2 hp motor (150-450gpd)
- ✓3/4 hp motor (800 gpd)
- ✓110 / 220, 50 / 60 hz motor
- ✓Rotary vane pump
- ✓10" 5 micron sediment pre-filter (1)
- ✓10" carbon block pre-filters (2)
- ✓Salt rejection 95 - 99%

## OPTIONS:

- Float switch for atmospheric tank
- Stainless steel pump
- Manual flush
- Stainless steel membrane housing
- Adjustable waste valve
- Additional pre-treatment, *see below:*

*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.*

### 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 10pgp should be softened.

### OPERATING PARAMETERS:

- ◆Operating pressure 200 psi maximum ◆Water recovery is factory set at 33 - 35% ◆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 (minimum)	MEMBRANE	PIPING			DIMENSIONS	
			inlet	waste	prod		
COM 150	150 - 200	2.5" x 14" 1ea.	3/8"	3/8"	3/8"	21" x 16" x 18"H	65 lbs.
COM 250	250 - 400	2.5" x 21" 1ea.	3/8"	3/8"	3/8"	26" x 16" x 18"H	68 lbs.
COM 450	450 - 600	4" x 14" 1ea.	3/8"	3/8"	3/8"	21" x 16" x 18"H	72 lbs.
COM 800	800 - 900	4" x 21" 1ea.	1/2"	3/8"	3/8"	26" x 16" x 18"H	74 lbs.