

**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 mfr'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:**

- |                                                                      |                                                        |
|----------------------------------------------------------------------|--------------------------------------------------------|
| <input type="checkbox"/> Float switch for atmospheric storage tank   | <input type="checkbox"/> Product and waste flow meters |
| <input type="checkbox"/> Stainless steel pump                        | <input type="checkbox"/> Automatic hourly flush        |
| <input type="checkbox"/> Stainless steel membrane housing            | <input type="checkbox"/> Manual flush                  |
| <input type="checkbox"/> Additional pre-treatment, <i>see below:</i> | <input type="checkbox"/> Stainless steel needle valves |
|                                                                      | <input type="checkbox"/> 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.

** CANADIAN WATER WAREHOUSE**

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