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
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%

COMPACT - II
GPD: 150 - 800

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:
☐ 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.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>GPD (minimum)</th>
<th>MEMBRANE</th>
<th>PIPING</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM-II 150</td>
<td>150 - 200</td>
<td>2.5&quot; x 14&quot;</td>
<td>1ea.</td>
<td>3/8&quot; 3/8&quot; 3/8&quot;</td>
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<td>in</td>
<td>14&quot; x 16&quot; x 30&quot;H</td>
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<tr>
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<td>250 - 400</td>
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<td>waste</td>
<td>14&quot; x 16&quot; x 30&quot;H</td>
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<tr>
<td>COM-II 450</td>
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<td>1ea.</td>
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<td></td>
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<td></td>
<td>prod</td>
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<tr>
<td>COM-II 800</td>
<td>800 - 900</td>
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GOOD Water Warehouse

TEL: 714-441-2893    FAX: 714-441-0525
TEL: 800-749-0252    FAX: 800-749-0331
E-mail: sales@goodwaterwarehouse.com
Web: http://www.goodwaterwarehouse.com