"LC" Series Light Commercial 200 to 380 gpd

Good (Permeate) 3/8"Yellow Tubing to Storage Tank.

**Standard**
- NSF Certified Membrane
- FRP Membrane Housing
- Aquatec Booster Pump
- 20" Sediment Pre-Filter 5-micron
- 20" Carbon Block Pre-Filter
- 20" GAC Post-Filter
- SS Operating Pressure Gauge
- SS Powder Coated Frame
- Removes 92-98% of TDS (Total Dissolved Solids)
- Set-up for use with Pressure Tank (tank not included)
- Can also be used with Atmospheric Tank - see next pg.
- Includes Long Reach Chrome Faucet.
- Includes 115V powercord - simply plugs into outlet.
- Easy to Install and Maintain

**Options**
- Pressure Tanks (-gal's):
  - RO-14, RO-20, RO-32, RO-119

### Model Numbers

<table>
<thead>
<tr>
<th></th>
<th>LC-200P</th>
<th>LC-300P</th>
<th>LC-380PP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Membrane PN (qty)</td>
<td>W-1812-100 (2)</td>
<td>W-1812-100 (3)</td>
<td>W-1812-100 (3)</td>
</tr>
<tr>
<td>Membrane Size</td>
<td>1.8” x 11.75”</td>
<td></td>
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</tr>
<tr>
<td>Sediment Pre-Filter PN</td>
<td>MB520 (1 used per unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon Block Pre-Filter PN</td>
<td>CB20 (1 used per unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon Post-Filter PN</td>
<td>FI-GAC020HP (1 used per unit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GPD (77°F, 1000 TDS water)</td>
<td>200</td>
<td>260</td>
<td>380</td>
</tr>
<tr>
<td>GPD (60°F, 1000 TDS water)</td>
<td>146</td>
<td>189</td>
<td>277</td>
</tr>
<tr>
<td>GPD (45°F, 1000 TDS water)</td>
<td>96</td>
<td>124</td>
<td>163</td>
</tr>
<tr>
<td>Recovery Rate</td>
<td>38%</td>
<td>44%</td>
<td>44%</td>
</tr>
<tr>
<td>Operating PSI</td>
<td>10-125</td>
<td>10-125</td>
<td>10-125</td>
</tr>
<tr>
<td>Volts AC</td>
<td>115</td>
<td>115</td>
<td>115</td>
</tr>
<tr>
<td>Amps</td>
<td>2</td>
<td>2</td>
<td>up to 5</td>
</tr>
<tr>
<td>W x D x H</td>
<td>32 x 21 x 10</td>
<td>36 x 21 x 10</td>
<td>36 x 21 x 10</td>
</tr>
</tbody>
</table>
Operating Information

The water entering this RO unit must be:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>Less than 1 gpg</td>
</tr>
<tr>
<td>Free Chlorine</td>
<td>Permissible - Carbon Block Pre-Filter must be periodically replaced.</td>
</tr>
<tr>
<td>TDS</td>
<td>Less than 2,000 ppm</td>
</tr>
<tr>
<td>Turbidity SDI (Silt Density Index)</td>
<td>Less than 5 ppm</td>
</tr>
<tr>
<td>pH</td>
<td>3-11</td>
</tr>
<tr>
<td>Iron</td>
<td>Less than 0.01 ppm</td>
</tr>
<tr>
<td>Silica</td>
<td>Less than 16 ppm</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>0 ppm</td>
</tr>
<tr>
<td>Manganese</td>
<td>Less than 0.01 ppm</td>
</tr>
<tr>
<td>Tannins</td>
<td>Less than 1 ppm</td>
</tr>
<tr>
<td>Temperature</td>
<td>40°F - 80°F</td>
</tr>
<tr>
<td>Feed Pressure</td>
<td>10 psi minimum</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>8 hours max continuous operation</td>
</tr>
</tbody>
</table>

The water exiting this unit will have a lower pH, and will attack any metal piping or metal fixtures. For these applications, we recommend post-treatment with an Up-Flow Neutralizer filter.

Below drawing shows typical pre-treatment & post-treatment. It also shows optional use with atmospheric holding tank, which requires float switch with built-in 115 outlet & normally-closed solenoid valve (not included).