# Product Guidelines for Site Installation

**Product Name:** Thermo Scientific™ Barnstead™ Classic Water Distillation Systems  
**Item Description:** Tap to Type 2 Lab Water System

### A. RECOMMENDED FEED WATER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistivity (µS/cm)</td>
<td>&gt; 0.001</td>
</tr>
<tr>
<td>Blocking Index (SDI)</td>
<td>&lt; 3</td>
</tr>
<tr>
<td>Manganese (mg/l)</td>
<td>&gt; 0.05</td>
</tr>
<tr>
<td>Iron (mg/l)</td>
<td>&gt; 0.05</td>
</tr>
<tr>
<td>Free Chlorine (mg/l)</td>
<td>&lt; 0.1</td>
</tr>
<tr>
<td>pH Range (pH)</td>
<td>4-11</td>
</tr>
<tr>
<td>Pressure (PSI)</td>
<td>40-90</td>
</tr>
<tr>
<td>Flow Rate (GPH)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Recommended Type:** ASTM 1, 2, or 3 Tap DN3000

### B. ELECTRICAL POWER REQUIREMENTS

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Volts</th>
<th>Hertz</th>
<th>Amps</th>
<th>Single</th>
<th># of Phases</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1013-C</td>
<td>208</td>
<td>17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1013-B-61</td>
<td>240</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total number of receptacles / plugs required to operate water system:** 2

**Length of line cord:** 5 Feet 0 Inches

### C. PLUMBING REQUIREMENTS

**Water Inlet Line**

- **Type of Fitting:** Male NPT
- **Size of Fitting:** 1/4 Inch
- **Manual Cutoff Valve:** Strongly Recommend

**Waste Drain**

- **Type of Drain:** Atmospheric
- **Max. Distance from Unit:** 3 Feet
- **Size of Drain Fitting:** 1/2" (The drain construction should be able to handle 180°C water and 16 GPH)

### D. SPATIAL REQUIREMENTS

**Equipment exterior dimensions (inches):** 23 Width, 11 Depth, 68 Height

**Equipment Weight (lbs):** 80 Lbs.

### E. Accessories / Replacement Consumables

#### Required Accessories

- H3111 Ventgard Air Filter and Water Seal
- H4065 UV Light Assembly

#### Reservoir

- Select One from the options below:
  - B3043 10 Gallon Tin Lined Reservoir
  - B3045 25 Gallon Tin Lined Reservoir
  - B3046 50 Gallon Tin Lined Reservoir
  - B3047 100 Gallon Tin Lined Reservoir
  - B3049 200 Gallon Tin Lined Reservoir

#### Reservoir Floor Stand* or Wall Mounting Bracket (Select One from the options below):

- Select One from the options below:
  - H1000 Floor Stand - 10 Gallon Reservoir
  - H1001 Floor Stand - 25 Gallon Reservoir
  - H1002 Floor Stand - 50 Gallon Reservoir
  - H1003 Floor Stand - 100 Gallon Reservoir
  - H3230 Floor Stand - 200 Gallon Reservoir
  - H1240 Wall Mounting Bracket - 10 Gallon Reservoir
  - H1242 Wall Mounting Bracket - 25 Gallon Reservoir

* Customers are responsible for securing stand to floor.

#### Optional Accessories

- G2100 Fully Automatic Controls

10/3/2014