SYMMONS® TempControl®

Thermostatic Mixing Valve and Piping in Cabinet, B Series
Specification Submittal

Feature Highlights
- TempControl thermostatic controller
  - Check stops
  - Removable/replaceable cartridge
  - Stainless steel piston
  - Thermal motor with Turbulator™
- Volume control shut-off valve
- Bimetal dial thermometer
  - Range 20°-240°F (-7°- 116°C)
  - 3 inch (76 mm) face
- Bottom supplies
- Top Outlet
- Cabinet with hinged left hand door & cylinder lock
  - Body, 18 gauge (1.2 mm)
  - Door, 13 gauge (2.4 mm)
  - Fully recessed (standard)
  - White finish (standard)
- Brass pipes, fittings and unions to cabinet limits
- Interior parts in standard rough bronze finish
- TempControl valves are certified to:
  - ASME A112.18.1/CSA B125.1
  - CSA B125.3
  - ASSE 1017
  - CA 116875 (AB 1953)
  - NSF 372
  - US S.3874

Model Numbers

<table>
<thead>
<tr>
<th>Models</th>
<th>Inlets</th>
<th>Outlets</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 7-900B*</td>
<td>1 1/2” (38mm)</td>
<td>1 1/2” (38mm)</td>
</tr>
<tr>
<td>□ 7-1000B*</td>
<td>1 1/2” (38mm)</td>
<td>2” (51mm)</td>
</tr>
</tbody>
</table>

*The 7 Series model numbers above replace the 6 Series.

General Options / Modifications
Append appropriate -suffix to model number.
- □ -ASB Factory assembled and tested
- □ -V Vacuum breaker (not shown)

Cabinet Modifications only
Append appropriate -suffix to model number.
- □ -M Surface mounted cabinet
- □ -S Semi-recessed cabinet with 4 inch (102 mm) return flange
- □ -TOP Top supplies
  (Not available with -V option)

Finish Options / Modifications
Append appropriate -suffix to model number.
- □ -NI Rough nickel finish
- □ -T Stainless steel finish (cabinet only)
- □ -P Valves and piping with a polished chrome highlight finish
  - White finish (standard cabinet finish)

Warranty
- □ 5 years - for commercial installations
Physical Dimensions

<table>
<thead>
<tr>
<th>Model No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-900B</td>
<td>27” (686mm)</td>
<td>19” (483mm)</td>
<td>14 1/2” (368mm)</td>
<td>12” (305mm)</td>
<td>11 3/4” (298mm)</td>
<td>11 3/4” (298mm)</td>
<td>3 1/2” (89mm)</td>
</tr>
<tr>
<td>7-1000B</td>
<td>27” (686mm)</td>
<td>19” (483mm)</td>
<td>14 1/2” (368mm)</td>
<td>12” (305mm)</td>
<td>11 3/4” (298mm)</td>
<td>11 3/4” (298mm)</td>
<td>3 1/2” (89mm)</td>
</tr>
</tbody>
</table>

Note: Dimension “C” references depth of hole required for recessed cabinet installation.

Flow Rate - gpm (L/min)

<table>
<thead>
<tr>
<th>Valve Model</th>
<th>Min. Flow Rate*</th>
<th>Min. Flow Rate (per ASSE 1017)</th>
<th>Pressure Differential - psi (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>5 psi (34 kPa)</td>
<td>10 psi (69 kPa)</td>
</tr>
<tr>
<td>7-900B</td>
<td>0.5 gpm (1.9 L/min)</td>
<td>13 gpm (49 L/min)</td>
<td>30 gpm (114 L/min)</td>
</tr>
<tr>
<td>7-1000B</td>
<td>0.5 gpm (1.9 L/min)</td>
<td>13 gpm (49 L/min)</td>
<td>38 gpm (144 L/min)</td>
</tr>
</tbody>
</table>

*Minimum flow rate when valve is installed at or near the hot water source with recirculated tempered water and continuously operating circulating pump.