TYPE T52 TEMPERATURE PILOT

- Spring Operated
- Self Contained
- Normally Closed, Indirect Operation (Cooling)
- Packless Construction
- Fluid, Gas and Vapor Applications
- Strainer Screen Built-in
- Easy in-line Maintenance

OPTIONS
- Stainless Steel Flexible Tubing
- Stainless Steel Capillary Tubing
- Tubing longer than 10'
- Thermostat other than #700 (see Options Section)

THERMOSTATS
- 700 706 731
- 701 708 732
- 702 711 740
- 703 712 800
- 704 713 801

TYPICAL CONFIGURATIONS
- COOLING ........................................... C34T52
- COOLING & PRESSURE .......................... C34T52D
- COOLING ........................................... E6T52
- COOLING & PRESSURE .......................... E6T52D
- COOLING ........................................... ET52
- COOLING & PRESSURE .......................... ET52D
- COOLING ........................................... E2T52
- COOLING & PRESSURE .......................... E2T52D
- COOLING ........................................... E5T52
- COOLING & PRESSURE .......................... E5T52D

APPLICATION DATA
- Control Flow of Cooling Liquid
- Blending

RATINGS (Maximum Inlet Conditions)

<table>
<thead>
<tr>
<th>Construction</th>
<th>Pressure (PSIG, bar)</th>
<th>Temperature (°F, °C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cast Iron</td>
<td>250 (17.2) @</td>
<td>450 (232)</td>
</tr>
<tr>
<td>Cast Steel</td>
<td>600 (41.4) @</td>
<td>750 (400)</td>
</tr>
</tbody>
</table>

TEMPERATURE RANGES (°F)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>20-120</td>
<td>150-300</td>
<td>300-400</td>
</tr>
<tr>
<td>50-150</td>
<td>170-270</td>
<td>330-430</td>
</tr>
<tr>
<td>70-170</td>
<td>250-350</td>
<td>400-500</td>
</tr>
<tr>
<td>120-220</td>
<td>290-390</td>
<td></td>
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</tbody>
</table>

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TYPE T52
TEMPERATURE PILOT

SPECIFICATION

Pilot valve is for cooling applications (reverse acting). Pilot valve shall be separate from the main valve and connected to it by unions. Pilot seats shall be protected by built-in strainer screens. Pilot shall be interchangeable on all sizes of main valves. Thermal elements shall provide a 100°F (38°C) range of temperature adjustment and shall withstand 100°F overheating without damage. Handwheel adjustment for temperature shall be standard. Unless otherwise scheduled, thermal elements shall be equipped with 10 feet of brass flexible tubing. Number 700 bronze bulb, Number 728 bronze well shall be supplied for storage tank applications. Steel wells shall be supplied for fuel oil service.

MATERIALS OF CONSTRUCTION

Body, Cast Iron ...................................... ASTM A126 C53
Body, Steel ............................................. ASTM A108-79
Stem .................................................. 303 St. Stl ASTM 582 Cond. A
Disc ................................................... 440 St. Stl. ASTM 276-75 Cond. A
Seat .................................................... 420 St. Stl. ASTM 276 Cond. A
Gasket ................................................ Graphite
Diaphragm .......................................... PH Bronze
Spring .................................................. Inconel