TYPE T14
VAPOUR TENSION TEMPERATURE PILOT

CONTROLS 20 to 500°F

- Precise, Rapid Response
- Spring Operated
- Self Contained
- Normally Open, Direct Operation (Heating)
- 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 Well
- Dial Thermometer
- Integral Mount
- Thermostat other than #700 (see Options Section)

THERMOSTATS
See page 86

700 706 731
701 708 732
702 711 740
703 712
704 713

TYPICAL CONFIGURATIONS

TEMPERATURE REGULATING …………………ET14
TEMPERATURE & PRESSURE …………………ET14D
TEMPERATURE REGULATING …………………E2T14
TEMPERATURE & PRESSURE …………………E2T14D
TEMPERATURE REGULATING …………………E5T14
TEMPERATURE & PRESSURE …………………E5T14D

APPLICATION DATA
- Storage Heaters
- Jacketed Kettles
- Vats

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)

| 20-120        | 150-300             | 300-400             |
| 50-150        | 170-270             | 330-430             |
| 70-170        | 250-350             | 400-500             |
| 120-220       | 290-390             |                     |

Canadian Registration # OC 0591.9C

SIZING INFO
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TYPE T14
VAPOR TENSION TEMPERATURE PILOT

SPECIFICATION
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 Cl B
Body, Cast Steel .............................. ASTM A216 GR. WCB
Stem .......................... 2024-T4 ASTM B211-75
Disc .......................... 440 St. St. ASTM A276-75 COND A
Seat .......................... 420 St. Stl ASTM A276 COND A
Gasket .................................................. Graphite
Diaphragm .......... Bronze ASTM B103-77 UNS C51000
Spring .................................................. Steel