TYPE T61, T62, T63, T64
PNEUMATIC TEMPERATURE CONTROLLER

TEMPERATURES to 350°F

- Bimetallic Thermostat for Fast Response
- Pinpoint Accuracy
- 200°F Adjustable Temperature Range
- Air Consumption - Average .25, Maximum .7
- Adjustable Proportional Band 1/4-2 psi per 1°F
- Overtemperature Protection
- Air Supply Pressure 30 psi

MODELS

- TYPE T61 for applications where air control signal decreases as process temperature increases.
- TYPE T62 for applications where air control signal increases as process temperature increases.
- TYPE T63 for high temperature applications where air control signal decreases as process temperature increases.
- TYPE T64 for sanitary applications where air control signal decreases as process temperature increases. Supplied with IAMD Sanitary Cap.

TYPICAL CONFIGURATIONS

PRESSURE & TEMPERATURE .................. EA85T61

APPLICATION DATA

- Instantaneous Heaters
- Process Applications with wide ranging, fast changing loads

RATINGS (Maximum Inlet Conditions)

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSIG (bar)</td>
<td>°F (°C)</td>
</tr>
<tr>
<td>250 (17.2)</td>
<td>400 (204)</td>
</tr>
</tbody>
</table>

TEMPERATURE RANGES (°F)

<table>
<thead>
<tr>
<th>Model</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>T61, T62, T64</td>
<td>50-250</td>
</tr>
<tr>
<td>T63</td>
<td>150-350</td>
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</tbody>
</table>

SPECIFICATION

The temperature controller shall be of the non-indicating type. It shall be equipped with 0-30 psi supply and loading gauges. The controller shall have 200°F adjustable range and be equipped with a bronze bulb as part of its bimetal thermostat. Control point adjustments to be made by a knob on the temperature pilot and throttling range shall be adjustable externally with a set screw wrench. A stainless steel thermostat bulb, preferable in lieu of a well, is available as an alternate to bronze.

MATERIALS OF CONSTRUCTION

Body .................. Bronze ASTM B62-80 UNS C83600
Bulb, Bronze ............ ASTM B140-80 UNS C31400
Bulb, Steel............... 316 St. Std. ASTM A276 Cond. A
Seals .......................... Viton
Spool ........................ Brass ASTM B16-80 UNS 36000
Spring .......................... St. Steel

* For T64, this is IAMD Sanitary Cap.