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 ¼-2 psi per 1°F**
- **Overtemperature Protection**
- **Air Supply Pressure 30 psi**
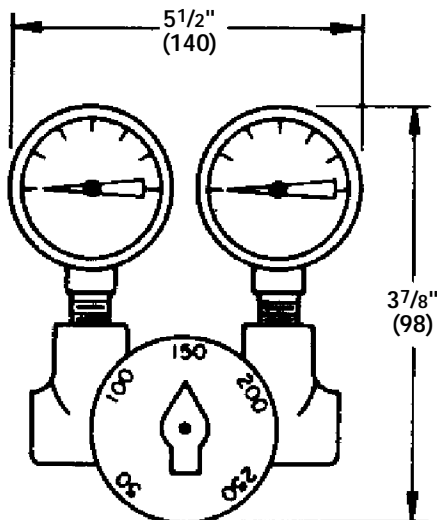

**TYPE T61 PNEUMATIC
TEMPERATURE CONTROLLER**

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)

Pressure PSIG (bar)	Temperature °F (°C)
250 (17.2)	400 (204)

## TEMPERATURE RANGES (°F)

T61, T62, T64	50-250
T63	150-350

SPECIFICATION

The temperature controller shall be of the non-indicating type. It shall be equipped with 0-30 psi supply and loading gages. 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. Stl. ASTM A276 Cond. A
Seals	Viton
Spool	Brass ASTM B16-80 UNS 36000
Spring	St. Steel

**TYPE T61, T62, T63, T64
CONTROLLER
1½ LBS (.7 KG)**
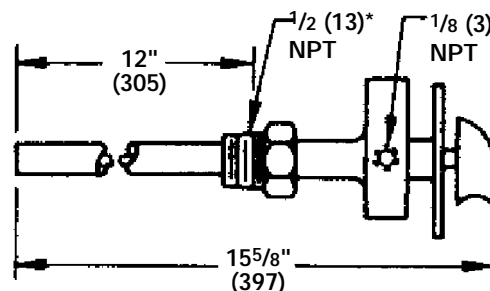
* For T64, this is IAMD Sanitary Cap.

SPENCE