



TI-P235-07-US  
Issue 3

## Pilot Operated Temperature Regulators 25 Series Thermostat Bulb Types

### Description

The Thermostat Bulb styles are for temperature pilots used on the following:

- 25T and 25TE Temperature Controls
- 25PT and 25 PTE Pressure Temperature Controls.

### Thermostat bulb types

<b>T1</b>	Bulb in copper with brass capillary tubing.
<b>T2</b>	Bulb in copper with union connection $\frac{3}{4}$ " (DN20) NPT, with brass capillary tubing.
<b>T4</b>	T1 flanged temperature pilot well.
<b>T5</b>	Brass, $5\frac{3}{4}$ " (146 mm) extension well for T2 thermostat bulb.
<b>T6</b>	Stainless steel, $5\frac{3}{4}$ " (146 mm) extension well for T2 thermostat bulb.
<b>T7</b>	Brass, 18" (457 mm) extension well for T1 thermostat bulb.
<b>T8</b>	Stainless steel, 18" (457 mm) extension well for T1 thermostat bulb.
<b>T9</b>	Wall mounting bracket for T1 thermostat bulb.
<b>T10</b>	Bulb in stainless steel, with stainless steel capillary tubing.
<b>T11</b>	Bulb in stainless steel with union connection $\frac{3}{4}$ " (DN20) NPT, with stainless steel capillary tubing.

### Limiting operating conditions

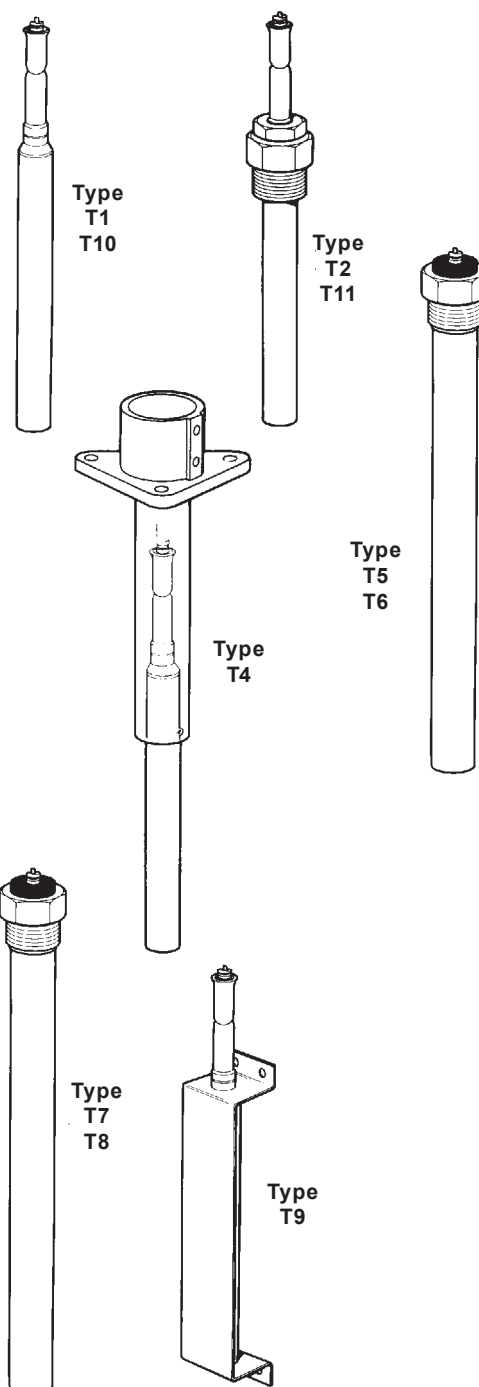
Up to 200 °F/93 °C above the control set point provided temperatures at the bulb do not exceed 350 °F/176 °C.

### Options:

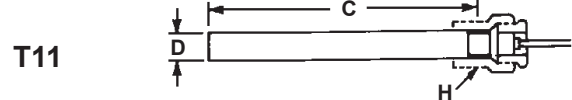
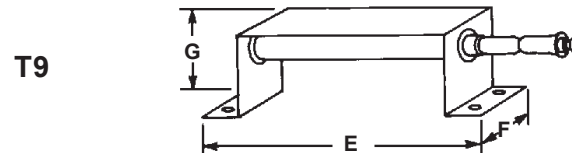
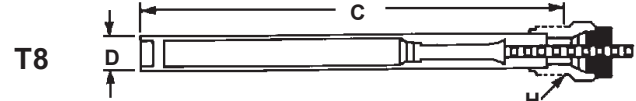
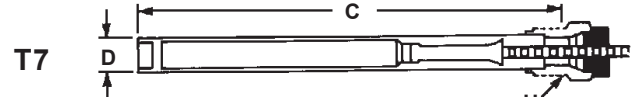
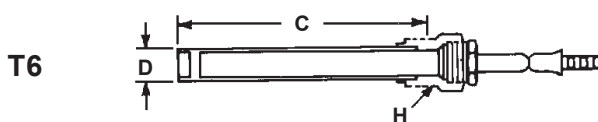
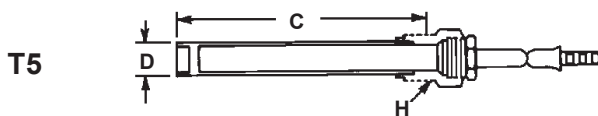
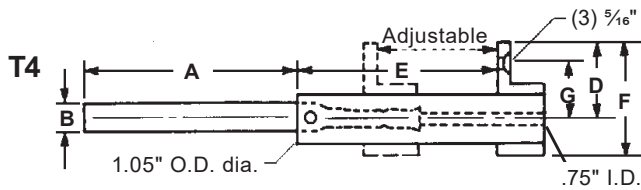
Capillary Tube Length

Standard 8 ft. (2.4 m) and 15 ft. (4.6 m) available.

Intervals of 5 ft. (1.5 m) up to a maximum of 50 ft (15.2 m).



## Dimensions (approximate) in inches (mm)



Style	A	B	C	D	E	F	G	NPT H	J
T1	8 (203)	0.62 (15.7)							
T2			5.21 (132)	0.62 (15.7)				3/4" (DN20)	
T4	5 (127)	0.62 (15.7)		1.4 (36)	7.0 (178)	2.25 (57.2)	1.0 (25.5)		5/16" (DN8)
T5 T6			5.75 (146)	0.75 (19)				3/4" (DN20)	
T7 T8			18 (457)	0.75 (19)				3/4" (DN20)	
T9					6.7 (170)	1.5 (38)	2.1 (53)		
T10	6.4 (162)	0.62 (15.7)							
T11			6.12 (155)	0.62 (15.7)				3/4" (DN20)	

## Installation

The thermostatic bulb should be carefully located in the medium being heated. Make sure that the entire length of the thermostatic bulb is immersed in the heated medium with a good circulation left over it. Locate the thermometer being used to monitor temperature close to the thermostatic bulb. When the bulb is contained in a well, use a heat conducting compound to improve response time.

## How to specify

1 – 1/2" Spirax Sarco 25T Temperature Control with Thermostat Bulb Style T2.