

# "TRP" Pilot

Temperature Pilot for D & HD Regulating Valves

Revised 7/2002

## Temperature Pilot

- Temperature Control  
Range 20° -250°F

### TYPICAL APPLICATIONS

The D-Series and HD-Series Regulator used with the "TRP" Temperature Pilot is used for controlling temperature in various processes and systems. Some examples are: Oil heaters, Ovens, Process Heaters, Vats, Driers, and Jacketed Kettles.

### FEATURES

- Ductile iron pilot body
- Stainless steel valve and seat
- Pilot ranges under 100°F are cross-ambient filled to minimize thermal fluctuations
- Standard capillary is copper with 316 stainless steel armor in 10 ft. length

### OPTIONS

- **Additional Capillary Length:** Available up to 25-ft. in 5-ft. increments.
- **Special Materials:** Sensing bulb, wells, and capillary are available in special corrosion resistant materials.
  - 316 stainless steel capillary
  - 316 stainless armor covering with standard capillary
  - Kynar-covered capillary
- **Finned Bulb:** Special finned sensing bulb for improved temperature sensitivity when controlling air temperature in heating ducts.
- **Dry Well:** Dry well or separable socket is available in stainless steel or copper.
- **Temperature Sensing Dial:** Indicates temperature of process being controlled

### DIMENSIONS – inches

Std. Bulb Range °F	Bulb Length	Bulb Diameter	Height	Dry Well or Separable Socket	
	A	B	C	D	E
*20-80°	17-1/2	7/8	17-1/2	18-1/2	1
*40-100°	17-1/2	7/8	17-1/2	18-1/2	1
*60-120°	17-1/2	7/8	17-1/2	18-1/2	1
*80-140°	17-1/2	7/8	17-1/2	18-1/2	1
*100-160°	17-1/2	7/8	17-1/2	18-1/2	1
110-170°	10-1/2	5/8	17-1/2	11-1/2	3/4
130-190°	10-1/2	5/8	17-1/2	11-1/2	3/4
150-210°	10-1/2	5/8	17-1/2	11-1/2	3/4
170-230°	10-1/2	5/8	17-1/2	11-1/2	3/4
190-250°	10-1/2	5/8	17-1/2	11-1/2	3/4

\* Cross-ambient filled thermal system



### MATERIALS

Pilot Body	Ductile Iron
Valve and Seat	Copper
Support Bracket	Aluminum
Bulb & Capillary	Copper (optional stainless steel)
All Other Parts	Brass

### HOW TO ORDER

#### "TRP" TEMPERATURE PILOT

Specify:

- Temperature range from the chart or indicate the temperature of the process you wish to control.
- The length of capillary required.

#### REGULATOR BODY

Specify:

- D or HD regulator body.
- Regulator size or capacity of steam required.
- End connections (threaded, 125/150/250/300# flanged).

