# "TRP" Pilot

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Temperature Pilot for HD Regulating Valves

# Temperature Pilot

Max Inlet Pressure: 300 PSIG

Temperature Control Range: 20-250 °F

Min Inlet Pressures: 15 PSIG standard main valve

5 PSIG low pressure main valve

## TYPICAL APPLICATIONS

The "TRP" Temperature Pilot is used with the HD Regulator to control temperature in various processes and systems. Some examples are: Oil heaters, Ovens, Process Heaters, Vats, Dryers and Jacketed Kettles.

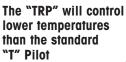
## **FEATURES**

- Ductile Iron pilot body
- Stainless steel valve and seat
- Standard capillary is copper with 316 stainless steel armor in 10 feet 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 steel armor with standard capillary
  - Kynar-covered capillary
- Finned Bulb: Special finned sensing bulb for improved temperature sensitivity when controlling air temperature in heating ducts
- Thermowell or Separable Socket: Available in stainless steel or copper
- Temperature Sensing Dial: Indicates temperature of process being controlled

DIMENSIONS - inches						
Std. Bulb Range	Bulb Length	Bulb Diameter	Body Height C		Thermowell or Separable Socket	
°F	A	В	w/Dial	w/o Dial	D	E
40-65°	121/4	1.0	111/4	1611/64	13	1.1
65-85°	121/4	1.0	111/4	1611/64	13	1.1
85-110°	12 <sup>1</sup> / <sub>4</sub>	1.0	111/4	1611/64	13	1.1
110-135°	121/4	1.0	111/4	1611/64	13	1.1
135-160°	121/4	1.0	111/4	1611/64	13	1.1
160-190°	12 <sup>1</sup> /4	1.0	111/4	1611/64	13	1.1
190-210°	121/4	1.0	111/4	1611/64	13	1.1
210-245°	121/4	1.0	111/4	1611/64	13	1.1
245-275°	12 <sup>1</sup> /4	1.0	111/4	1611/64	13	1.1
275-310°	121/4	1.0	111/4	1611/64	13	1.1
305-365°	121/4	1.0	111/4	1611/64	13	1.1
365-415°	12 <sup>1</sup> /4	1.0	11 <sup>1</sup> /4	1611/64	13	1.1
415-435°	12 <sup>1</sup> /4	1.0	11 <sup>1</sup> /4	1611/64	13	1.1





MATERIALS				
Pilot Body	Ductile Iron			
Valve and Seat	Stainless steel			
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:

- **HD** regulator body
- · Regulator size or capacity of steam required
- End connections (threaded, 150/300# flanged)

