

PILOTS

"T" Pilot

Temperature Pilot for HD & D Regulating Valves

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Temperature Pilot

- **Temperature Control Range: 60°-260°F**



TYPICAL APPLICATIONS

The "T" Temperature Pilot used with either the HD or D regulator control temperature in various processes and systems. Some examples are:

- Oil heaters
- Process heaters
- Dryers
- Ovens
- Vats
- Jacketed Kettles

FEATURES

- Temperature adjustment is made simple and easy by rotating an adjustment knob to the desired temperature setting
- Thermostatic sensing bulb comes with an 8-ft. or 15-ft. length capillary
- Armored capillary to resist damage
- Overheat protection bellows is incorporated into sensing bulb. 200°F overheat protection up to 350°F
- For steam supply pressure 12 PSIG or under, our low pressure temperature pilot must be used
- Full-port strainer and blow-down valve on pilot adapter to eliminate failure caused by contaminated steam systems

OPTIONS

- Temperature Pilot can be combined with Pressure and Solenoid pilots
- Additional lengths can be ordered in 5-ft. increments; up to 25-ft. maximum length
- Wells are available in 316 stainless steel or brass
- Longer wells can be supplied
- 316 Stainless Steel Sensing Bulb
- Other options available; consult Factory

Note: Watson McDaniel's **Low Pressure Temperature Pilot** must be used for steam supply pressure less than **12 PSIG**

TEMPERATURE-ADJUSTING RANGES

Temperature	Identifying Colors
60 - 120°F (16 - 49°C)	yellow
100 - 160°F (38 - 71°C)	black
120 - 180°F (49 - 82°C)	blue
160 - 220°F (71 - 104°C)	red
200 - 260°F (93 - 127°C)	green

* Other ranges available; consult Factory.

MATERIALS

	Ductile Iron
Body	Ductile Iron
Head & Guide Assembly	Stainless Steel
Seat	Stainless Steel
Sensing Bulb:	
T	Copper
TU	Copper/Brass Union Nut
TUBW	Copper/Brass Well
TUSW	Copper/Stainless Steel Well
TBW	Copper/Brass Well with Gromet
TSW	Copper/Stainless Steel Well with Gromet

"PT"
Pressure & Temperature
Pilot
(optional)

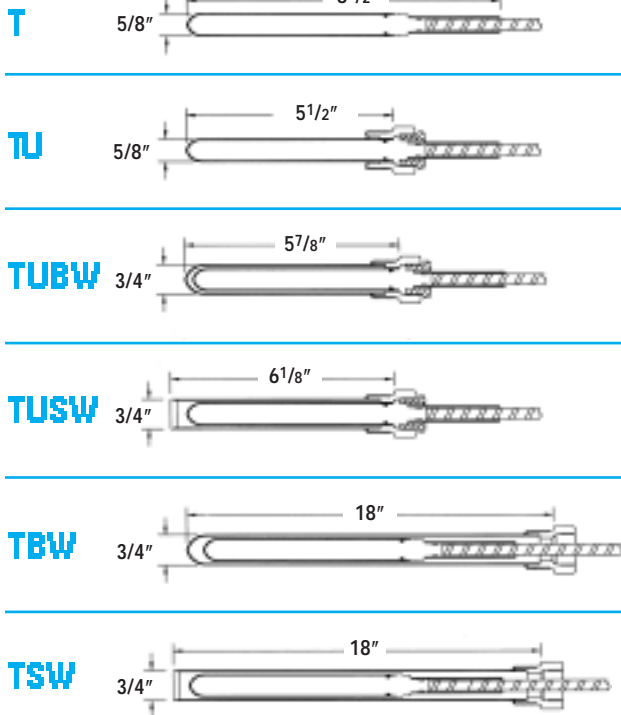


"T" Pilot

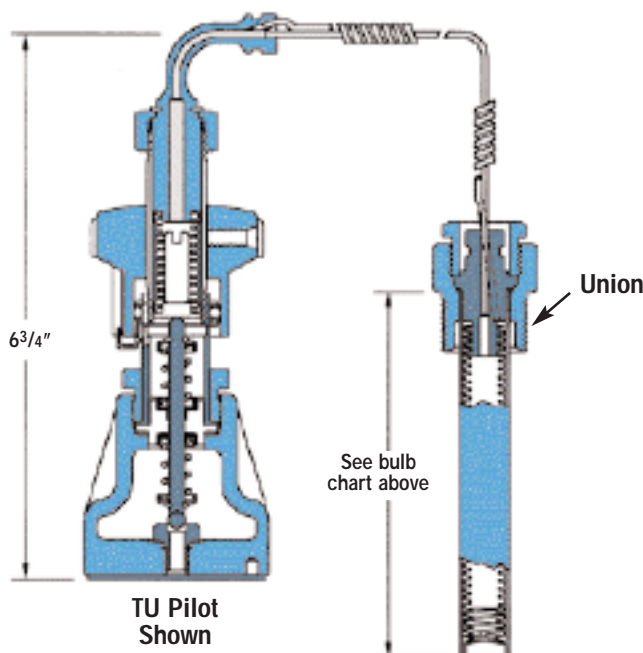
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SENSING BULBS AVAILABLE



All Union Connections are 3/4" NPT



- T** Plain copper bulb
 - TU** Union connected copper bulb that can be screwed into the side of tank
 - TUBW** Type TU bulb with a brass well. The well can be placed in the side of a tank allowing the sensing bulb to be removed without having to drain the tank of liquid
 - TUSW** Type TU bulb with a corrosion resistant stainless steel well. The well allows the sensing bulb to be removed from tank without draining the liquid.
 - TBW** Type T bulb with an extended length brass well. The extended well allows deeper insertion of sensing bulb into tanks.
 - TSW** Type T bulb with extended stainless steel well. The extended well allows deeper insertion of sensing bulb into tanks.
- Other options available; consult factory.**

HOW TO ORDER

"T" TEMPERATURE PILOT

Specify:

- Temperature range from the chart or indicate the temperature of the process you wish to control.
- The length of capillary required. 8-ft. is standard.
- Bulb type needed:
T, TU, TUBW, TUSW, TBW & TSW.

REGULATOR BODY

Specify:

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

RECOMMENDED PRESSURE

Minimum Inlet Pressure: 5 PSIG*

*For pressures less than 12 PSIG, specify low pressure temperature pilot.