



# TYPE PT SINGLE SEATED "BALANCED TRIM" STEAM CONTROL VALVE



**RUGGED 250LB CAST IRON BODY CONSTRUCTION**

**PNEUMATIC OR PILOT OPERATORS**

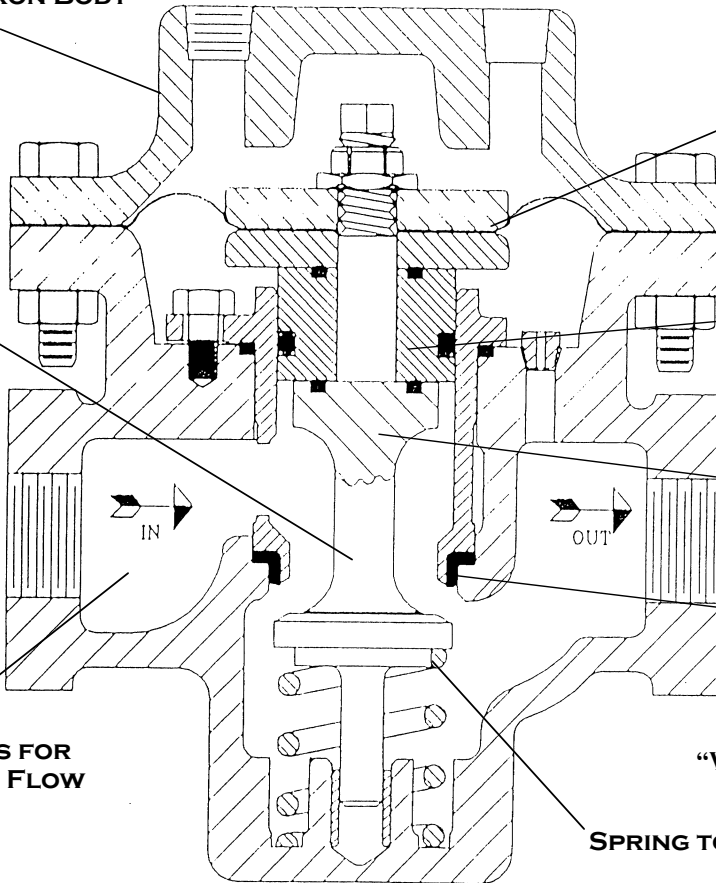
**TOP ENTRY DESIGN "EASY MAINTENANCE"**

**SINGLE SEATED DYNAMICALLY BALANCED TRIM**

**QUICK CHANGE CAGE TRIM**

**100:1 FLOW TURNDOWN**

**17-4 STAINLESS STEEL INTERNAL PLUG AND CAGE TRIM**



**SOFT SEATED FOR CLASS VI BUBBLE TIGHT SHUTOFF**

**FULFLOW PASSAGES FOR HIGH CV AND QUIET FLOW**

**"SEALS LIKE RUBBER" "WEARS LIKE HARDENED STEEL"**

**SPRING TO CLOSE FAIL SAFE**

**CONTROLS PRESSURE, DENSITY, AND TEMPERATURE SIMULTANEOUSLY**

## Description

The Thermaflo Type PT "Smart" valve is specifically engineered for high flow turn down steam control applications. A main feature is the single seated fully balanced trim construction that allows the valve to control over wide flow demand ranges such as instantaneous steam water heaters, steam pressure reducing, and deareator pressure control applications. The seat is protected from direct flow impingement but allows for dead tight shutoff Class VI, when required on long standby no load applications.

Soft seat construction "Seals Like Rubber and Wears Like Hardened Steel" will not cut. Type PT valve can be pneumatic controlled or self contained for temperature, pressure, or combined functions.

[www.thermafloengineering.com](http://www.thermafloengineering.com)  
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| Valve CV Flow Ratings |      |      |    |       |      |    |         |
|-----------------------|------|------|----|-------|------|----|---------|
| Valve Size            | 1/2" | 3/4" | 1" | 1.25" | 1.5" | 2" | 2.5" 3" |
| CV                    | 4    | 8    | 15 | 23    | 30   | 60 | 90 120  |

## Pressure and Temperature Rating

Maximum Pressure: 150 PSIG Operating  
Maximum Temperature @ 150 PSIG 366F

## Materials of Construction

Body: 250lb Cast Iron ASTM A126 CLB  
Cage and Plug: 17-4PH Hardened Stainless Steel  
Seat: 500F Thermaflo Teflon/Ceramic Composition

## Dimensions:

| Size           | Face to Face | Overall Height | Conn    |
|----------------|--------------|----------------|---------|
| 1/2", 3/4", 1" | 6"           | 7"             | NPT     |
| 1 1/2", 2"     | 9 7/8"       | 9.5"           | NPT     |
| 3"             | 12"          | 16"            | 150 flg |
| 4"             | 14"          | 16"            | 150 flg |

100% USA Cast, Machined and Assembled in the USA.  
Manufacturing Facilities Located in Charlotte, North Carolina