



**SYMMONS® TempControl®**

7-500

Thermostatic Mixing Valve

## Specification Submittal



Location:

### Specification

TempControl thermostatic mixing valve made from lead free\*\* metal components. Features serviceable integral check stops (see table 1 for flow rates).

#### Temperature control range:

70°F - 150°F (21.1°C - 65.6°C)

#### Approach temperature:

5°F (-15°C)

\*\*According to US Senate bill S.3874, the term "lead free" is defined as follows: "not more than a weighted average of 0.25 percent lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fixtures, and fixtures"

### Compliance

-ASME A112.18.1/CSA B125.3  
-ASSE 1017  
-NSF/ANSI 372



### Modifications

- NI Rough nickel finish
- P Polished chrome highlight finish
- W Wall mounting bracket

**Note:** Append appropriate -suffix to model number.

### Coordinating Model Numbers

- T-425-500 3" bimetal dial thermometer

### Warranty

**Limited Lifetime** - for residential installations.

**10 Years** - for commercial/industrial installations.

Refer to [www.symmons.com/warranty](http://www.symmons.com/warranty) for complete warranty information.



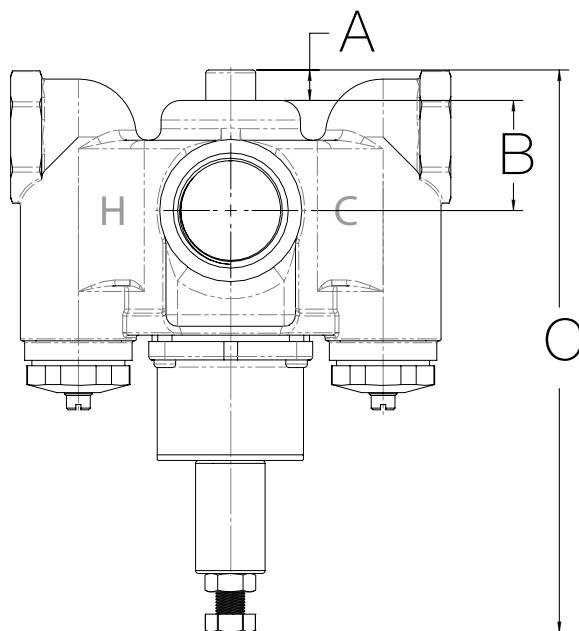
### Flow Rate Chart

**TABLE 1: FLOW RATE - gpm (L/min)**

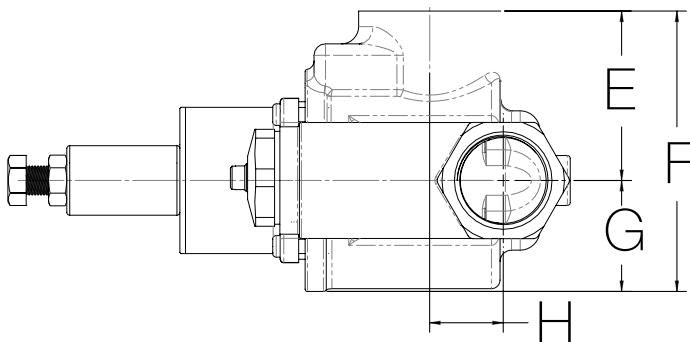
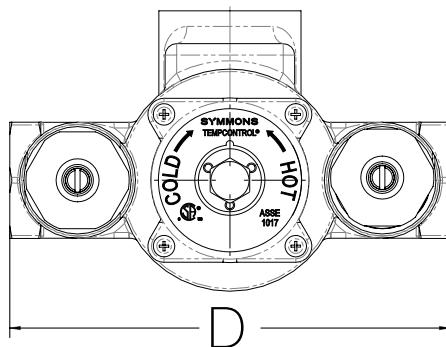
VALVE MODEL	MIN. FLOW RATE*	MIN. FLOW RATE	PRESSURE DIFFERENTIAL - psi (kPa)					
			5 psi (34 kPa)	10 psi (69 kPa)	20 psi (138 kPa)	25 psi (172 kPa)	30 psi (207 kPa)	45 psi (310 kPa)
7-500	0.5 gpm (1.9 L/min)	13 gpm (49 L/min)	22 gpm (83 L/min)	38 gpm (144 L/min)	50 gpm (190 L/min)	55 gpm (209 L/min)	59 gpm (224 L/min)	70 gpm (265 L/min)

\*Minimum flow rate when valve is installed at or near the hot water source with recirculated tempered water and continuously operating circulating pump.

## Dimensions



TempControl Valve Sizes		
Model No.	Inlet	Outlet
7-500	1"	1-1/4"
Measurements		
A	1/2", 13 mm	
B	1-15/16", 49 mm	
C	9-5/8", 248 mm	
D	7-11/16", 195 mm	
E	2-15/16", 75 mm	
F	4-7/8", 124 mm	
G	1-15/16", 49 mm	
H	1-5/16", 33 mm	



**Note:** Dimensions subject to change without notice.