

## TMV Series - Thermostatic Mixing Valve

## SUBMITTAL

JOB: _____	REPRESENTATIVE: _____
_____	_____
ENGINEER: _____	ORDER NO: _____ DATE: _____
CONTRACTOR: _____	SUBMITTED BY: _____ DATE: _____
_____	APPROVED BY: _____ DATE: _____

Quantity	TAG No.	Model No.	Comments

### THERMOSTATIC MIXING VALVE APPLICATIONS

Armstrong TMV Series Thermostatic Mixing Valves are specifically designed for mixing hot and cold water on hot water distribution systems. Using an advanced thermostatic element and proportional flow design, the valve reacts to temperature changes by closing or opening its inlet ports and ensures a stable mixed-water temperature at the outlet. Installed at the hot water source and adjusted by the installer, the TMV accurately limits the hot water supply and maintains the temperature at a desired setting.

Armstrong TMV Series valves provide the ultimate in performance, combined with energy savings and comfort when used in domestic hot water systems. The precise temperature control and superior flow characteristics also make the TMV ideal for radiant heating systems and a variety of applications where the temperature of the heat source is higher than the required supply temperature.



### TECHNICAL DATA

Maximum Working Pressure	125 psi (862 kPa)
Maximum Working Temperature	180°F (82°C)
Hot Water Inlet Temperature Range	120°F - 180°F (50°C - 82°C)
Cold Water Inlet Temperature Range	41°F - 70°F (5°C - 21°C)
Outlet Temperature Range	100°F - 140°F (38°C - 60°C)
Adjustment Accuracy	± 2°F (± 1°C)
Factory Temperature Setting	120°F (50°C)

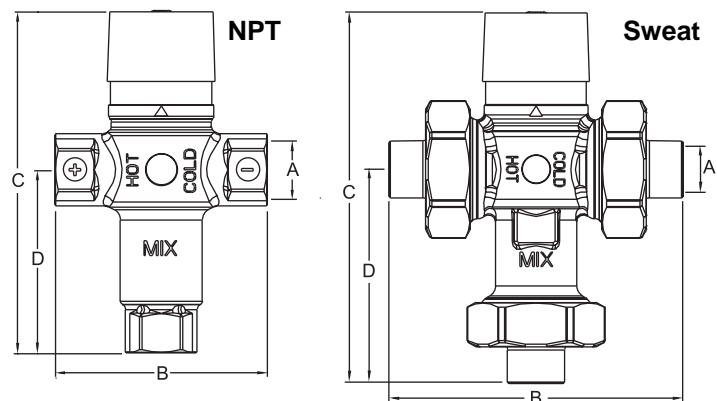
### MATERIALS OF CONSTRUCTION

Body	Brass ASTM B-124 86C 37700
Handwheel	High strength polymer
Shutter	Brass ASTM B-124 86C 37700
Springs	Stainless Steel
Stem	Brass ASTM B-124 86C 37700
O-Rings	EPDM
Tail Piece	Brass ASTM B-124 86C 37700

### DIMENSIONS and WEIGHTS

Model	A	B	C	D	Weight
TMV-050T	0.5" NPT	2.87 (73)	4.65 (118)	2.48 (63)	0.95 (0.43)
TMV-075T	0.75" NPT	2.87 (73)	4.65 (118)	2.48 (63)	1.05 (0.48)
TMV-100T	1" NPT	2.87 (73)	4.65 (118)	2.48 (63)	1.20 (0.54)
TMV-050S	0.5" Sweat	4.02 (102)	5.12 (130)	2.95 (75)	1.70 (0.77)
TMV-075S	0.75" Sweat	4.02 (102)	5.12 (130)	2.95 (75)	1.75 (0.79)
TMV-100S	1" Sweat	4.02 (102)	5.12 (130)	2.95 (75)	1.80 (0.82)

Note: All dimensions are in inches (mm) and weights are in lbs. (kg)



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