



THERMOSTATIC MIXING VALVES

# Model STP7069 (Alpha) Plastic Lead-Free Tempering Valve

## APPLICATION:

The model STP7069 (Alpha) is an ASSE 1070 and ASSE 1069 certified, Lead-Free thermostatic tempering valve that protects against dangerously hot water in any commercial sink, lavatory, tub, and/or shower application. This valve can be used with any type of faucet for maximum flexibility and can accommodate a single lavatory or up to 8 hand washing stations having a 0.5 GPM flow rate and up to 3 showers with 1.5 GPM flow restrictors.

## FEATURES:

- Lead-Free Noryl body and bonnet along with the other Lead-Free components result in a highly corrosion-resistant and lime-resistant valve
- Integral cartridge-style checks prevent cross-flow and strainers filter debris from entering the valve
- Temperature adjustment is made using an Allen wrench. A locknut on the bonnet prevents unauthorized or accidental temperature adjustment
- Commercial quality paraffin thermal actuator provides repeatable, reliable performance
- Factory set to 105°F (41°C) and field adjustable
- IAPMO certified to ASSE 1069
- IAPMO certified to ASSE 1070

\* In accordance with ASSE 1070 and ASSE 1069 as certified by IAPMO

\*\* Under Normal Operating Conditions

• The wetted surface of these valves contacted by consumable water contains less than 0.25% of lead by weight in conformance with national Lead-Free law.



STP7069-12S

**Pb** Federal Public Law 111-380 (No Lead)  
Patent #9,898,017,

## SPECIFICATIONS:

### Valve Specifications:

Maximum Operating Pressure: ..... 125 PSI (861 kPa)  
 Flow Rate @ 45 PSI (310 kPa) differential:  
 Flow Rate: ..... 4.5 GPM (17 LPM)  
 Minimum Flow Rate\*: ..... 0.25 GPM (1.0 LPM)  
 Maximum Hot Water Temp: ..... 180°F (82°C)  
 Minimum Hot Water Supply Temp\*\*: ..... 5°F (3°C)  
 Above Set Point  
 Maximum Cold Water Supply Temp\*\*: ..... 5°F (3°C)  
 Below Set Point  
 Minimum Cold Water Temp: ..... 39°F (4°C)  
 Temperature Range\*: ..... 85°F-115°F (29°C-46°C)  
 Connections ..... 1/2" NPS

PRESSURE DROP PSID (kPa)	Cv	5 (34)	10 (69)	15 (103)	20 (138)	30 (207)	45 (310)	60 (414)
FLOW RATE GPM (LPM)	0.7	1.5 (5.7)	2.1 (8)	2.6 (9.8)	3 (11.4)	3.7 (14)	4.5 (17)	5.2 (19.7)

## GUIDE SPECIFICATION:

Thermostatic Mixing Valve shall be IAPMO lab certified per ASSE and CSA standards. Valve shall contain a copper encapsulated, paraffin-based thermal actuator. Valve shall be a solid brass body with a capacity of 12 GPM (45 LPM) AT 45 PSI (310 kPa) differential and a maximum operating pressure of 125 PSIG (862 kPa). Supply pressure variation shall be up to 20%. Valve shall have an adjustable outlet temperature range of 90°F-115°F (32°C-46°C), factory set at 105°F (41°C). Valve shall comply with ASSE 1069, ASSE 1070 and CSAB125.3 standards. Valve shall be **MGI CONTROLS®** model ST7069.

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Revised: 08/15/2024

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### Certifications:



ASSE 1069  
ASSE 1070  
CSA B125.3

NSF/ANSI 61  
Certified



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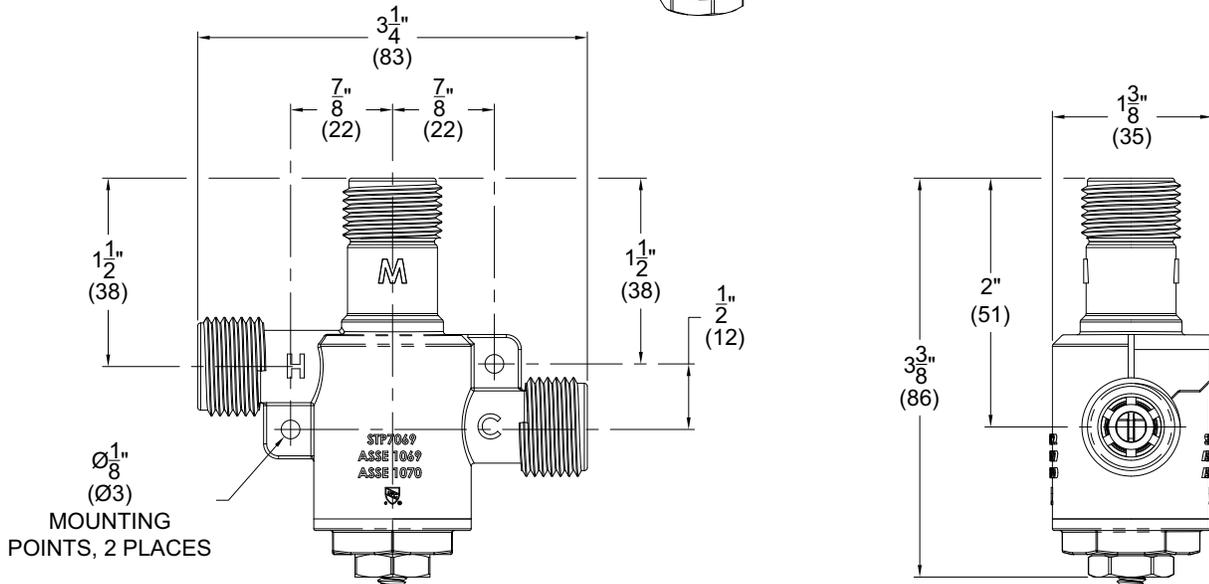
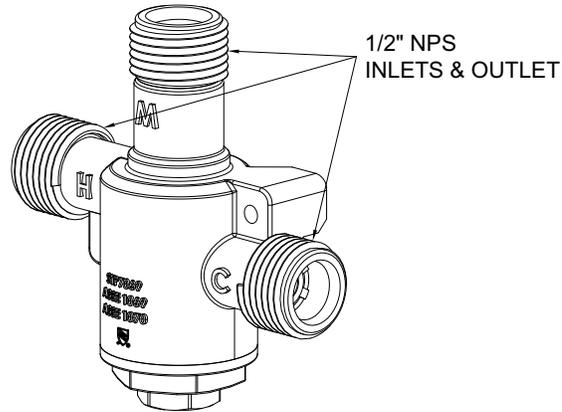
## VALVE SELECTION:

- STP7069-12S Plastic Valve Body With 1/2" NPS Hose Connections



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## TECHNICAL DIMENSIONS:



# **STP7069** Revised: 08/15/2024

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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SELECTION SUMMARY & APPROVAL FOR MANUFACTURING

Model Number & Options _____	Quantity _____
Company _____	
Contact _____	Title _____
Signature (Approval for Manufacturing) _____	Date _____

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