

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

 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 **CONTROLS**® model ST7069.

CONTROLS® assumes no responsibility for use of void or superseded data.
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 Please visit www.WaterControlValves.com for most current specifications.

Submission # **STP7069**
 Revised: 10/28/2022

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Certifications:



ASSE 1069
 ASSE 1070
 CSA B125.3

NSF/ANSI 61
 Certified



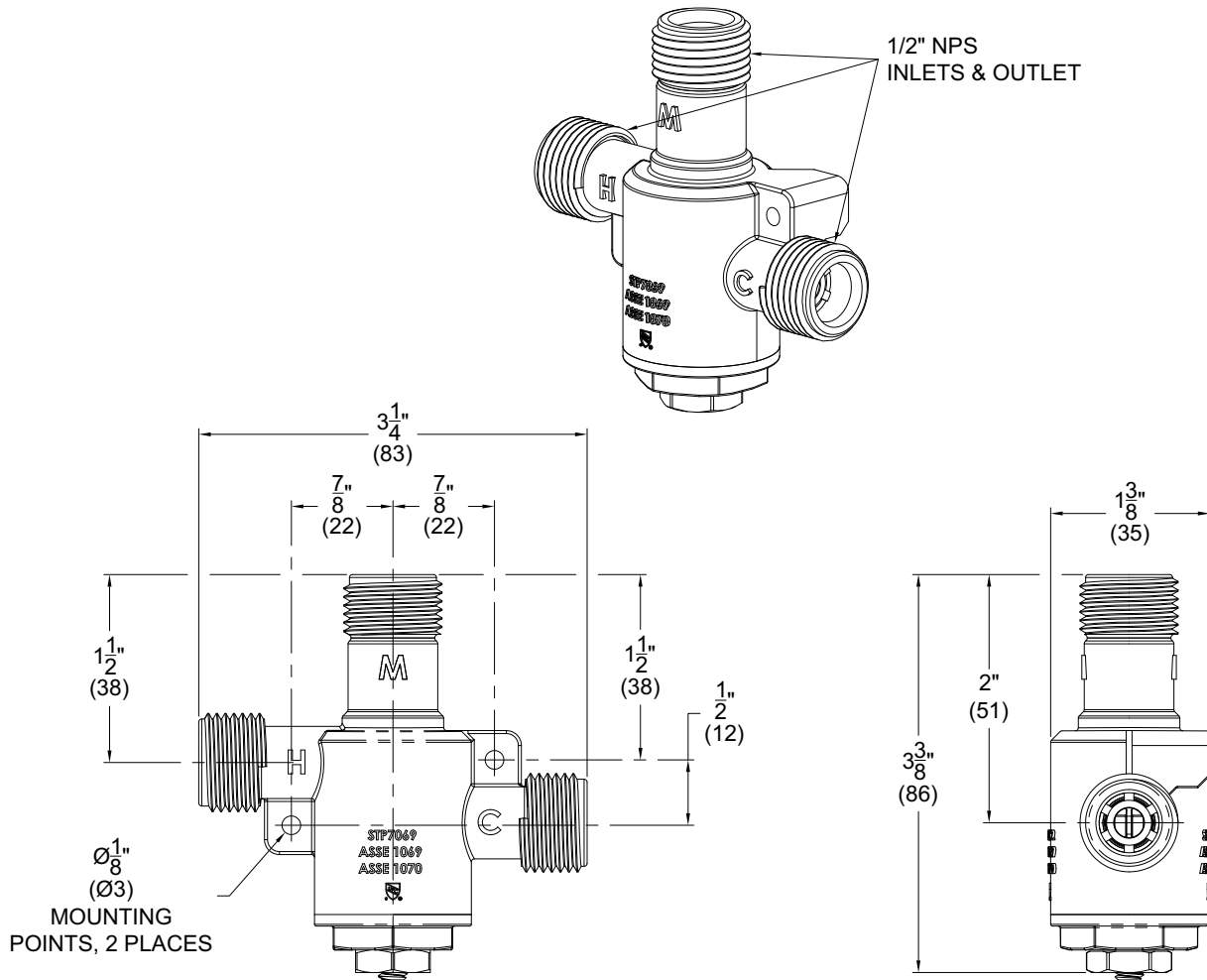
CONTROLS®
 42 Sherwood Terrace, Suite #5
 Lake Bluff, IL 60044
 Phone: (847) 604-4773

www.WaterControlValves.com

VALVE SELECTION:

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

TECHNICAL DIMENSIONS:



STP7069 Revised: 10/28/2022

WARNING: Cancer and Reproductive Harm - 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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