



THERMOSTATIC MIXING VALVES

# Model ST7069

Lead-Free Thermostatic Mixing Valve

## APPLICATION:

The model ST7069 an ASSE 1070 and 1069 Certified Thermostatic Mixing Valve is Lead-Free and ideal for delivering safe tempered water at the point-of-use fixture(s) such as sinks, baths, showers or lavatories in residential, commercial and institutional environments. This valve can deliver 12 GPM (45 LPM) @ 45 PSI (310 kPa) differential and accommodate up to 8 single temperature showers or up to 24 hand washing stations with 0.5 GPM (1.9 LPM) flow restrictors.



ST7069

Patent #9,898,017

## FEATURES:

- ✧ Lead-Free certified DZR brass body with corrosion resistant and lead-free internal components.
- Integral cartridge style checks with screens to prevent backflow and filter debris from entering the valve.
- Temperature adjustment is made using a allen wrench and a locknut on the bonnet prevents unauthorized or accidental temperature adjustment.
- Commercial quality paraffin actuator provides repeatable, reliable performance.
- Lockable Brass ball valves optionally available.
- IAPMO certified to ASSE 1069.
- IAPMO certified to ASSE 1070.
- IAPMO certified to CSAB125.3.

## SPECIFICATIONS:

### Valve Specifications:

Maximum Operating Pressure: ..... 125 PSI (862 kPa)  
 Maximum Hot Water Supply Temp: ..... 180°F (82°C)  
 Minimum Hot Water Supply Temp.\*\*: ..... 10°F (6°C)  
 Above Set Point  
 Outlet Temp. Range\*: ..... 90°F-115°F (32°F-46°C)  
 Flow Rate: ..... 12 GPM (45 LPM) @ 45 PSI (310 kPa)  
 Differential  
 Certified Minimum Flow\*: ..... 0.5 GPM (1.9 LPM)  
 Connections ..... 1/2" NPT Female

\* In accordance with ASSE 1070 and ASSE 1069  
 \*\* Inlet Supply Pressure Variation Up to 20%  
 ✧ 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.

PRESSURE DROP PSID (kPa)	Cv	5 (34)	10 (69)	15 (103)	20 (138)	30 (207)	45 (310)	60 (414)
FLOW RATE GPM (LPM)	1.8	4 (15)	5.7 (21.4)	7 (26.2)	8 (30.2)	9.8 (37)	12 (45.4)	13.8 (52.4)

## 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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Submission # **ST7069**  
 Revised: 08/15/2024

### Certifications and Standards:



ASSE 1069  
 ASSE 1070  
 CSA B125.3

NSF/ANSI 61  
 Certified



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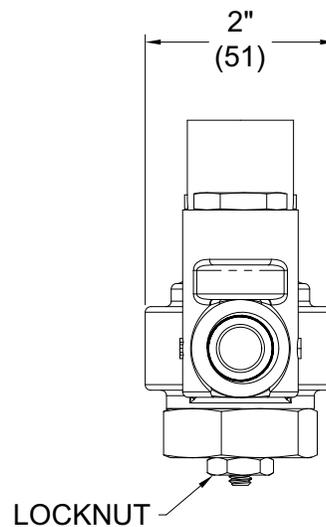
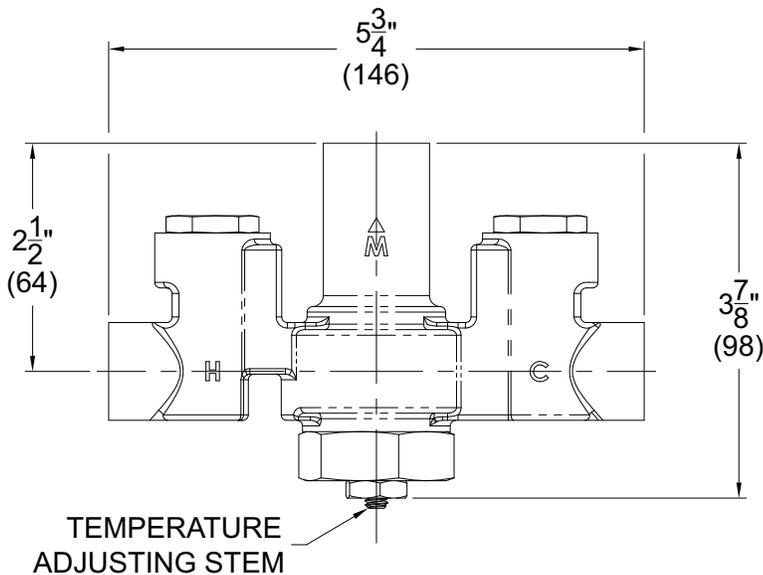
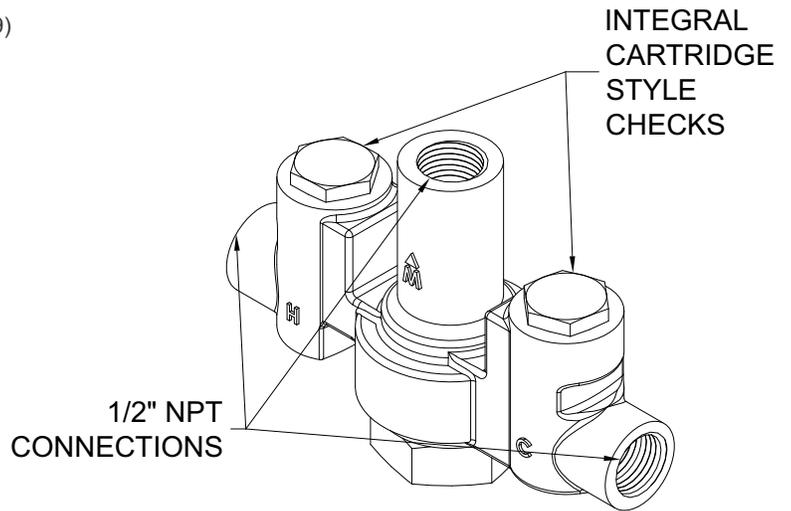
**VALVE SELECTION:**

- ST7069 Brass Valve Body With 1/2" NPT Connections

**ACCESSORIES:**

- BVS Ball Valve Shut-Off, Ball Valves Shipped Loose
- OTG Outlet Temperature Gauge
- MB-1 Mounting Bracket Assembly (Models: ST7069)

**TECHNICAL DIMENSIONS:**



# **ST7069** Revised: 08/15/2024

**WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

SELECTION SUMMARY & APPROVAL FOR MANUFACTURING

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

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