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Item # 24639, Mixing Valve with Corrugated Hose

Cash Acme Tank Booster is a Temperature Actuated Mixing Valve that mixes hot water with cold to deliver tempered water at a controlled temperature to 120°F (49°C).

The Tank Booster is intended for installation at the water heater to distribute controlled temperature water through hot water systems in residential and commercial applications. The valve delivers water at 120°F (49°C), allowing the heater to be set at 140°F (60°C) or higher, thus providing a greater effective volume of hot water

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Specifications

| | |
|-----------------------|---|
| Type | Thermostatic Mixing Valve Kit |
| Connection Type | 3/4" MNPT Mix Outlet x 3/4" FNPT Union Fitting x 3/4" NPSH Cold Inlet |
| Size | 3/4" |
| Operating Temperature | 32 °C |

| | |
|--------------------------------------|-------------------------------|
| [Min] | 90 °F |
| Operating Temperature [Max] | 55 °C 130 °F |
| Operating Pressure [Max] | 150 psi |
| Flow Rate Minimum | 1 gpm (4L/min) |
| Flow Rate Maximum | See flow curve |
| Factory Set Temperature Range | 115 - 120 °F (46 - 48.9 °C) |
| Hot Temperature Supply Range | 120 - 180 °F (48.9 - 82.2 °C) |
| Cold Temperature Supply Range | 39 - 80 °F (5 - 27 °C) |

Dimensions

| | |
|-----------------------|--------------------|
| Overall Length | 3.5 in 88.9 mm |
| Overall Height | 6.7 in 170.2 mm |

Material

| | |
|------------------------------|--------------------|
| Body Material | DZR Brass |
| Seals Material | EPDM |
| Springs Material | Stainless Steel |
| Internal Cap Material | Brass |
| Piston Material | Engineered Polymer |

Details

Features and Benefits

Precise temperature control: Safer hot water from all outlets. Allows the water heater to be set at 140°F (60°C) or higher: Greater effective hot water volume and less chance of Legionella within the cylinder Every valve is tested for performance prior to shipping: Specify and install with confidence! More hot water from the same water heater: Higher storage temperature means a greater effective hot water volume delivered at a safe 120°F (49°C). Robust, low complexity construction: Superior reliability, improved user safety. Adjustable and lockable mechanism: Minimizes unauthorized tampering with valve setting. Factory set at 120°F (49°C) Listed by IAPMO and ASSE: Inspector friendly, peace of mind. Integral recirculation port Allows quick and neat installations in systems with recirculation.

Specification

A Temperature Actuated Mixing Valve shall be installed at the water heater to distribute tempered water throughout the domestic hot water system at a temperature of 120°F (49°C). The valve shall be certified to ASSE 1017, CSA B 125.3, NSF 372, NSF 61 and shall be listed by a third party. The Temperature Actuated Mixing Valve shall control the delivered water temperature via a regulating piston made from engineered polymer. The adjusting mechanism shall be lockable. The valve shall be a Cash Acme Tank Booster Pro.

Typical Installation

Residential and commercial hot water distribution applications. To control water temperature at the source of heat (water heater) to provide a safe distribution temperature.

Certifications

The Cash Acme Tank Booster is certified to ASSE 1017, ASSE 1070, CSA B125.3, NSF/ANSI 61, and NSF 372 and listed by IAPMO and ASSE for use in accordance with the U.S. and Canadian plumbing codes.