

Heatguard™ 100-B12 Series



DESCRIPTION

The Heatguard™ 100-B12 is a Temperature Actuated Mixing Valve that mixes hot water with cold to deliver tempered water at a controlled temperature to 120° F maximum.

The Heatguard™ 100-B12 is intended for installation at the water heater to distribute controlled temperature water through a domestic hot water system. The valve delivers water at a maximum of 120° F, allowing the heater to be set at 140° F or higher, thus providing a greater effective volume of hot water and reducing the chances of legionellae bacteria growth in the water.

The Heatguard™ 100-B12 is a high quality mixing valve incorporating Thermostatic Technology. It features a robust design based on the expertise gained from years of experience in the design and manufacture of safety valves. Every valve is tested for performance on an automated testing station during the assembly process. The valve is ASSE 1017 listed.

The Heatguard™ 100-B12 incorporates a high quality thermostatic element that senses the outlet water temperature and reacts to maintain a stable delivery temperature even under changing flows or variations in supply temperatures. The valve also greatly reduces the outlet flow in the event of a cold water supply failure.

The Heatguard™ 100-B12 is available as a base valve with union connections to suit the range of Heatguard Fittings Kits in 1/2", 3/4" and 1" sizes, including sweat, CPVC, PEX, threaded, compression and 4in1 service fittings.



HEATGUARD™
THERMOSTATIC MIXING VALVES

FEATURES AND BENEFITS

Delivers water at a maximum of 120° F throughout the system:
Safer hot water from all outlets.

Allows the heater to be set at 140° F or higher:
Greater effective hot water volume, less chance of legionellae within the cylinder.

Robust, low complexity construction:
Superior reliability, improved user safety.

Integral union connections on all three ports:
Easy and quick to install and service.

Listed by IAPMO (UPC), ASSE (1017) and CSA (B-125).
Inspector friendly, peace of mind!

SPECIFICATION

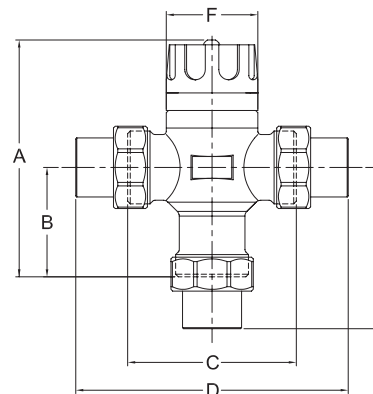
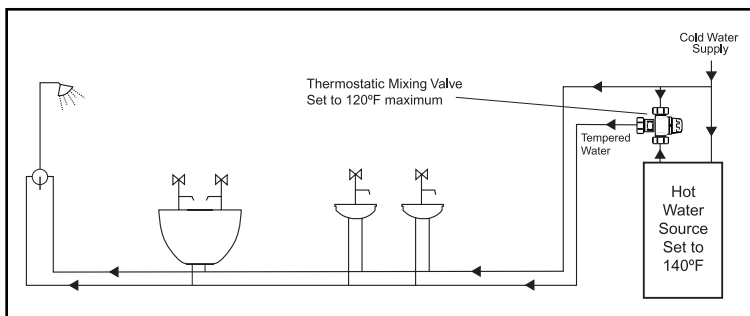
A Temperature Actuated Mixing Valve shall be installed at the water heater to distribute tempered water throughout the domestic hot water system at a maximum of 120° F. The valve shall be ASSE 1017 and UPC listed. The temperature actuated mixing valve shall control the delivered water temperature via a regulating piston made from engineering polymer. The valve shall be a Cash Acme **Heatguard™ 100-B12**.

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TYPICAL INSTALLATION

To control water temperature at the source of heat (hot water tank) to provide a safe distribution temperature.



| Dimensions | A | B | C | D | E | F |
|------------|-----------|----------|----------|---|---|----------|
| Base Valve | 4.3 (108) | 2.0 (50) | 3.0 (76) | * | * | 1.6 (41) |

* Please Refer to Fittings Kits Spec. Sheet (CC001) for Dimensions.

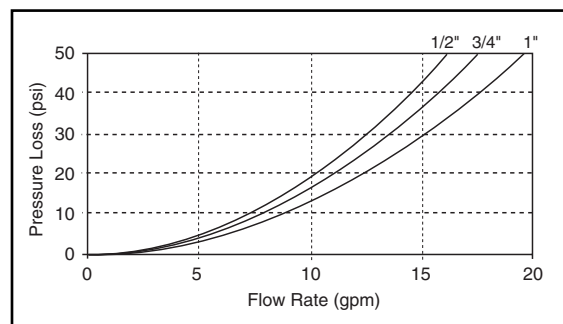
SPECIFICATION DATA

Performance:

- Outlet temp. range95 - 120° F (35 - 49° C)
- Temp. hot supply120 - 210° F (49 - 99° C)
- Temp. cold supply39 - 70° F (4 - 21° C)
- Temp. stability+/- 5° F (3° C)
- Working pressure, maximum . . .205 psi (1,413 kPa)
- Working pressure, minimum . . .3 psi (21 kPa)

Materials:

- Body:Bronze, nickel plated
- Seals:Nitrile elastomer
- Springs:Stainless steel
- Fitting:Brass
- Internal:Brass
- Piston:Engineered polymer



CONNECTIONS (sold separately)

- Sweat1/2", 3/4" and 1"
- Sweat w/ check1/2" and 3/4"
- Barb1/2", 3/4" and 1"
- Barb w/ Check1/2", 3/4" and 1"
- Compression1/4" ID (3/8" OD), 1/2" ID (5/8" OD), 3/4" ID (7/8" OD)
- Comp. w/ check1/4" ID (3/8" OD), 1/2" ID (5/8" OD), 3/4" ID (7/8" OD)
- Threaded (NPT)1/2" and 3/4"
- Threaded (NPT) w/ check1/2" and 3/4"
- CPVC1/2" and 3/4"
- CPVC w/ Check1/2" and 3/4"

CERTIFICATIONS

The Cash Acme Heatguard™ 100 B-12 is certified to **CSA, ASSE** and **UPC**.