



Heatguard[®] Tank Booster Lead Free

DESCRIPTION

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) maximum.

The **Tank Booster** is intended for installation at the water heater to distribute controlled temperature water through hot water system in residential and commercial applications. The valve delivers water at a maximum of 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 and reducing the chances of Legionella bacteria growth in the water.

The **Tank Booster** is a high quality mixing valve incorporating the latest in 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 third party listed for both distribution and point-of-use applications.

The **Tank Booster** incorporates a fast acting, 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 **Tank Booster** is factory set at 120°F (49°C), but can be easily adjusted.

The **Tank Booster** is designed for easy and quick installation and is shipped complete with the valve, flexible connector and water heater tee. Can be used with SharkBite[®] flexible water heater connectors for easy installation while using Copper, PEX, or CPVC tubing. Does not require any transition fittings.



HEATGUARD[®]
TANK BOOSTER™

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 yields 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.

Robust, low complexity construction:

Superior reliability, improved user safety.

Adjustable and lockable mechanism:

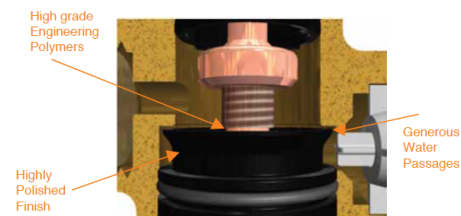
*Minimizes unauthorized tampering with valve setting
Factory set, locked to maximum 120°F (49°C).*

Recirculation port with plug:

Decreases potential heat loss.

Listed by IAPMO, and ASSE:

Inspector friendly, peace of mind!



SPECIFICATION

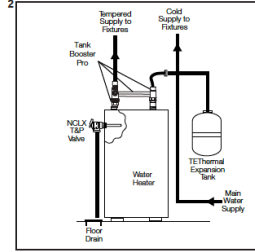
A Temperature Actuated Mixing Valve shall be installed at the water heater to distribute tempered water throughout the domestic hot water system at a maximum temperature of 120°F (49°C). The valve shall be certified to ASSE 1017, ASSE 1070 and CSA B 125.3 standards and shall be listed by a third party. 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**.



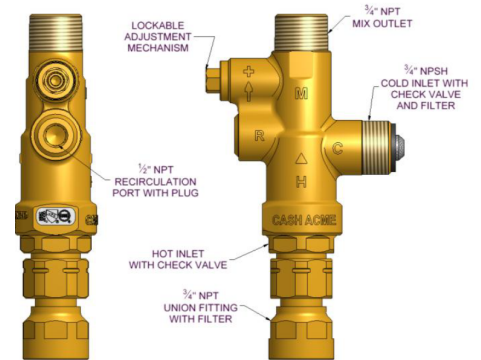
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TYPICAL INSTALLATION

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



(Please consult with local plumbing codes concerning specific water heater piping requirements.)



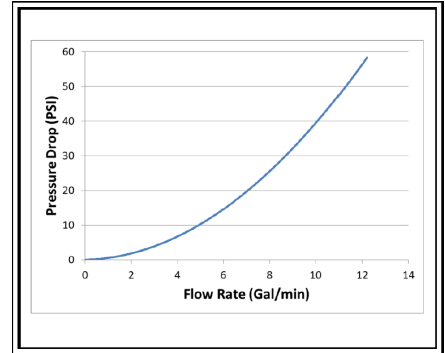
SPECIFICATION DATA

Performance:

Outlet temperature range	95 – 130°F (32 – 54°C)
Factory set temperature range	115 – 120°F (46 – 48.9°C)
Temp. hot supply	120 – 180°F (48.9 – 82.2°C)
Temp. cold supply	39 – 80°F (3.9 – 26.7°C)
Maximum pressure	230 psi (1600 kPa)
Flow rate, minimum	1 gpm (3.8 l/min)
Flow rate, maximum	See flow curve

Materials:

Body	Bronze
Seals	EPDM
Springs	Stainless Steel
Internal cap	Brass
Piston	Engineered Polymer
Guide tube	Noryl GFN2



CONNECTIONS

3/4" MNPT mix outlet x 3/4" FNPT union fitting x 3/4" NPSH cold inlet

CERTIFICATIONS

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

