TANK MAX
More Hot Water

69TANKMAX

Description

Apollo's Tank Max thermal mixing valve mixes hot water with cold to deliver 120º F water to fixtures. By setting the heater to 140º or higher and mixing with cold water to deliver 120º F, the effective volume of 120º F delivered increases significantly. With years of high quality thermostatic valve design and manufacturing, Tank Max possesses the most current technology.

Constant and stable outlet water temperature is achieved through the incorporation of a high quality thermostatic element which accounts for changing flows and supply temperature variation. Tank Max is factory set at 120º F outlet temperature, but is easily adjustable to the needs of the system.

The Tank Max installation kit allows for simple and quick installation and includes the Tank Max valve, flexible connector, water heater tee, and union fitting.

Features and Benefits

- Accurate temperature control - *Safer hot water at all distribution points.*
- Every valve is factory tested for performance prior to shipping - *Works right the first time, every time.*
- More hot water - *Storing hot water at higher temperatures allows for greater available volume of desired water temperature.*
- Simplified complexity - *Superior reliability.*
- Adjustable mechanism - *+/- for simple settings. Factory set at 120º F.*
- IAPMO and ASSE Listed - *Peace of mind.*

Specification

A thermostatic mixing valve shall be installed at the water heater to distribute tempered water thought the domestic hot water system at a temperature of 120º F. The valve shall be certified to ASSE 1017 and shall be listed by a third party. Using a regulating piston made from engineered polymer, the thermostatic mixing valve should control the distributed water temperature. The valve shall be an Apollo® Tank Max.

Specification Data

Performance:

Operating remperature range: 90º-130º F (32º-55º C)
Factory set temperature range: 115º-120º F (46º-48.9º C)
Hot temperature supply range: Max 195º F (90º C)
Cold temperature supply range: 39º-80º F (5º-27º C)
Maximum supply pressure: 150 PSI (1030 kPa)
Minimum flow rate: 1 gpm (4 L/min)
Maximum flow rate: See flow curve (right)

Materials:

Body - Bronze
Seals - EPDM
Springs - Stainless Steel,
Internal Cap - Brass
Piston - Engineered Polymer
Guide Tube - Noryl GFN2

Connections

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

Certifications

ASSE 1017
NSF 61 & 372
IAPMO listed

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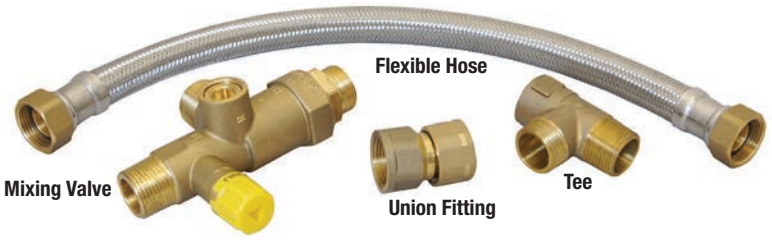


Typical Installation *(Please consult local plumbing codes before installing.)*

1. Apply sealing tape to the hot and cold water connection threads on the water heater. Attach the union fitting to the hot water outlet of the water heater.
2. Attach the mixing valve to the NPSM Swivel end of fitting.
3. Connect the tee to the cold water inlet of the water heater.
4. Apply sealing tape to the male threads of the mixing valve and tee. Check the installation orientation of both to ensure that the connection of the flexible hose can be allowed.
5. Connect the flexible hose from the mixing valve to the tee as shown below.
6. Connect the system's cold water inlet supply hose to the tee and the hot water outlet supply hose to the mixing valve.

Frequently Asked Questions

• ***Who can install it?*** - Tank Max was designed to be installed in just minutes with limited plumbing experience. The step by step instructions printed on the package guide the user through the very quick process of doubling your hot water.

• ***Where can I install it?*** - Tank Max is designed to be installed directly on top of any storage type water heater.

• ***What is it?*** - Tank Max is a thermostatic mixing valve. Mixing valves are very common in commercial properties and have been used for many years to balance water temperature to prevent scalding, inhibit growth of harmful bacteria and provide greater effective water volumes.

• ***What does it do?*** - A thermostatic mixing valve, measures the temperature of the incoming water, in this case hot water directly from the water heater, and mixes the appropriate amount of ground temperature water to achieve the desired point of use temperature.

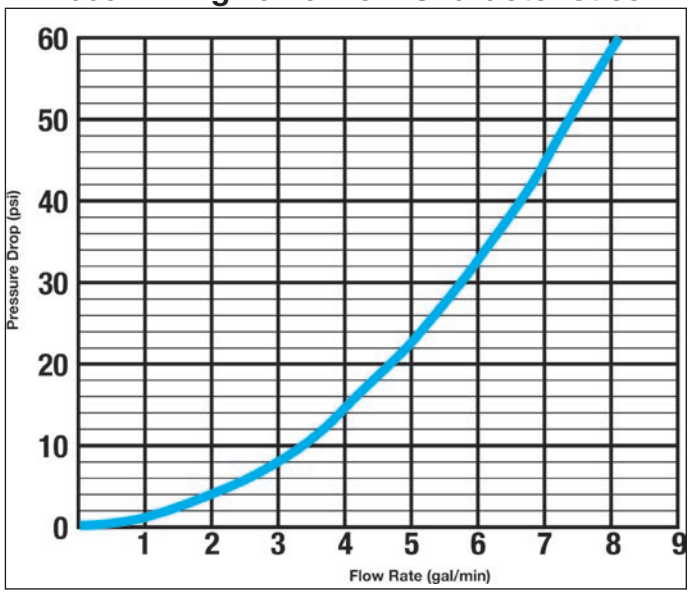
• ***What is the best temperature for Tank Max to be effective?*** - Tank Max is preset at 120º F, meaning that the water that reaches any outlet point of the system where hot water is available will not exceed 120º F. Our research shows that 120º F is typically the desired temperature for a comfortable experience. We understand that preferences vary and therefore, Tank Max is adjustable.

• ***How do I adjust it?*** - Simply remove the yellow adjustment cap and place the triangle-shaped indention on the corresponding triangle adjustment knob which is revealed when the cap is removed and use the +/- directional arrows to modify the water temperature as desired. Water must be flowing out of at least one fixture while adjustment is being made.

• ***I have a recirculating pump in my system, what do I do?*** - Tank Max has an easy to access integrated recirculating inlet indicated by the letter "R" forged into the body of the valve. Using a 3/8" hex key, remove the plug. Prior to removal, ensure the water is off or that Tank Max is not installed. In some cases, depending on manufacturer, the recirculating pump can be attached directly to the Tank Max valve.

• ***What if I have more questions?*** - Our customer service team is available to answer any questions you may have M-F 7am - 5pm EST at 1.888.229.2874.

4009 Mixing Valve Flow Characteristics



Flow curves are for reference. Actual flows may vary depending on system temperature and/or pressures.

*Flow curve with integral inlet filters check valves.

"Apollo"®

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Customer Service **(888) 229-2874**