



SharkBite®

TER-1 Thermal Expansion Relief Valve

DESCRIPTION

The SharkBite TER-1 Thermal Expansion Relief Valve prevents excessive pressure building up in a closed loop plumbing system. The TER-1 combines a full port ball valve with a pressure relief valve and can be installed in place of an expansion tank.

The relief valve on the TER-1 is factory set to relief pressure at 125 psi. This valve is intended for use where supply line pressure does not exceed 200 psi when isolated, and is suited for either cold or hot (to 180°F) water service.

FEATURES AND BENEFITS

Instant push-fit connections for increased ease of use:

No soldering, glue or tools required to make connection.

Replace an expansion tank, shut-off valve, and fitting with one product:

Less joints and potential leak paths.

Certified to IGC 128, IAPMO/ANSI Z1157, NSF/ANSI/CAN 61, NSF/ANSI 372, and CSA B125.3 Listed by IAPMO and CSA.

Inspector friendly for peace of mind.

Found in the International Plumbing Code and Uniform Plumbing Code:

Can be installed in the water line without special support brackets.

Every valve is tested for performance prior to shipping:

Specify and install with confidence.

Assembled and tested in the USA:

Prepared in our manufacturing plant in Cullman, Alabama.

SPECIFICATION

A thermal expansion control device shall be installed to relieve excess pressure in a closed loop water system. The valve shall be approved in accordance with IGC 128, CSA 125.3, and IAPMO/ANSI Z1157. The valve shall be certified to NSF/ANSI/CAN 61 and NSF/ANSI 372. The valve shall have a brass body with a relief valve twist knob with integral SharkBite push-to-connect ends. The valve shall be used on copper tubing, and CTS CPVC and PEX. The valve shall be a **TER-1 Thermal Expansion Relief Valve**.



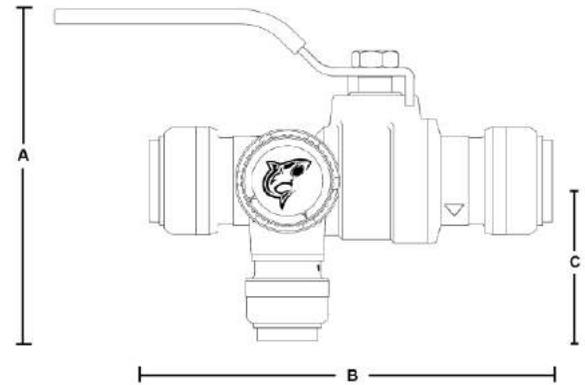
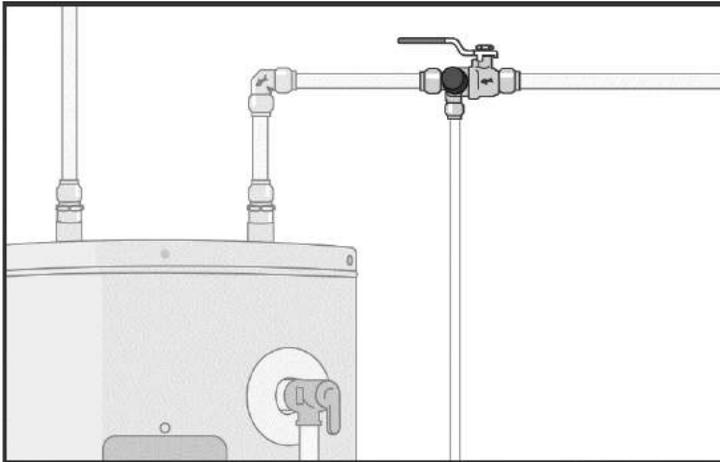
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TER-1 Thermal Expansion Relief Valve

TYPICAL INSTALLATION

The TER-1 is installed on the cold water inlet supply to the water heater with the orientation of the thermal expansion relief outlet connection horizontal or pointed downward to ensure the outlet drains dry. For additional information, reference the installation instructions.



A	3.93"
B	4.69"
C	1.93"

SPECIFICATION DATA

Performance:

Maximum inlet pressure.....	200 psi
Maximum temperature	200°F (93°C)
Service.....	Potable Water
Relief pressure	125 psi
Relief discharge connection.....	1/2"
Ball valve connections	3/4"

TER-1 Valve Materials:

Body.....	Lead Free* DZR Brass
Ball seals.....	PTFE
Stem o-rings.....	NBR
Relief cartridge seat disc/diaphragm.....	Silicone

SharkBite® Materials:

O-ring.....	EPDM
Grab ring.....	Stainless steel
Tube support liner.....	Polysulfone

CERTIFICATIONS

Certified to IGC 128, IAPMO/ANSI Z1157, NSF/ANSI/CAN 61, NSF/ANSI 372, and CSA B125.3

Listed by IAPMO and CSA

The TER-1 is a thermal expansion control device. It is used to control thermal expansion and can be found in both the Uniform Plumbing Code (UPC) and the International Plumbing Code (IPC).

*For all models, surfaces that are in contact with consumable water contain less than 0.25% lead by weight.