

# Thermal Expansion Relief Valves

## Simple Installation

ONE product vs. 5 to 8 separate items

Easy code compliance. Reduces components needed and installation steps

## Better Performance

Fewer potential leaks - eliminate threaded joints, which are the contractor's responsibility if they fail

More compact than expansion tanks. Much better suited for tight/confined spaces

## Code Compliant

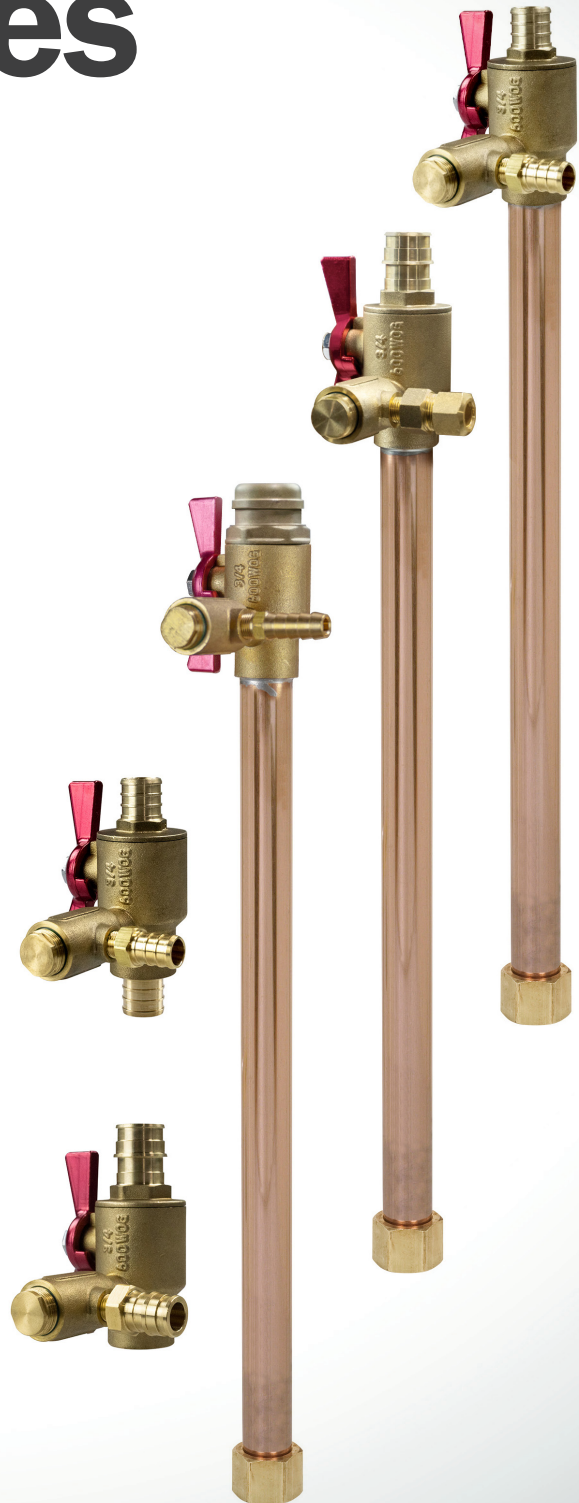
Full-port ball valve, tested to IAPMO IGC 128-2019 and CSA B125.3-2018. IAPMO Listed, File: 13009

TERVs comply with UPC, IPC, and IRC model code requirements for thermal expansion control

## Less Maintenance

No changing out tanks when diaphragms go bad

Tanks need service and may require additional means of access to ensure their continued use



Supply

Drainage

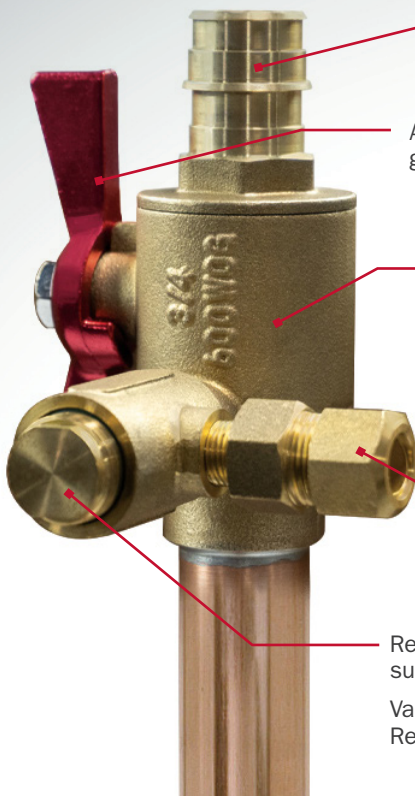
Support

Specialties

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TAKE THE FIELD.





Valves available in all common supply system connections

Anodized aluminum easy-grip valve handle

Best-in-Class valve materials. No lead, DZR/SCC-resistant, PTFE seats, stainless springs, EPDM o-rings and relief seat

Optional relief valve connections to suit your application

Relief valve discharges water/pressure as needed to prevent damage to the water heater or surrounding structure. Discharged water is directed to the floor drain or water heater pan.

Valves and water heater connectors with valves have pre-set relief points at 125 PSI. Replacement TERV components have adjustable relief points from 80-125 PSI

## Technical Specifications

### Certifications:

Tested to IAPMO IGC 128-2019 and CSA B125.3-2018. IAPMO Listed, File: 13009.

### Water Heater Connector:

3/4" Nom Copper tube (7/8" OD) C360 Brass swivel nut\* - EPDM gasket

### Maximum Temperature:

180°F



## Buying Information

ITEM NO.	VALVE INLET CONNECTION	OUTLET CONNECTION	THERMAL RELIEF CONNECTION	WHC LENGTH	MIN. QTY.	CASE QTY.
<b>WATER HEATER CONNECTORS</b>						
633-CG18FRV	3/4" CPVC socket	3/4" FIP swivel*	3/8" Compression	18"	10	10
633-CG18HRV	3/4" CPVC socket	3/4" FIP swivel*	3/8" Hose Barb	18"	10	10
633WG18FRV	3/4" F1960 PEX	3/4" FIP swivel*	3/8" Compression	18"	10	10
633WG18HRV	3/4" F1960 PEX	3/4" FIP swivel*	3/8" Hose Barb	18"	10	10
633WG18WRV	3/4" F1960 PEX	3/4" FIP swivel*	1/2" F1960 PEX	18"	10	10
633XG18FRV	3/4" F1807 PEX	3/4" FIP swivel*	3/8" Compression	18"	10	10
633XG18HRV	3/4" F1807 PEX	3/4" FIP swivel*	3/8" Hose Barb	18"	10	10
633XG18XRV	3/4" F1807 PEX	3/4" FIP swivel*	1/2" F1807 PEX	18"	10	10
<b>VALVES</b>						
648-WG3CR	3/4" F1960 PEX	3/4" FSWT	3/8" Compression	N/A	6	6
648-WG3HR	3/4" F1960 PEX	3/4" FSWT	3/8" Hose Barb	N/A	6	6
648-WG3WR	3/4" F1960 PEX	3/4" FSWT	1/2" F1960 PEX	N/A	6	6
648-XG3CR	3/4" F1807 PEX	3/4" FSWT	3/8" Compression	N/A	6	6
648-XG3HR	3/4" F1807 PEX	3/4" FSWT	3/8" Hose Barb	N/A	6	6
648-XG3XR	3/4" F1807 PEX	3/4" FSWT	1/2" F1807 PEX	N/A	6	6
648-3SMARX**	3/4" MIP thread	3/4" FIP swivel*	1/2" F1807 PEX	N/A	6	6
648WG3WRV	3/4" F1960 PEX	3/4" F1960 PEX	1/2" F1960 PEX	N/A	6	6
648XG3XRV	3/4" F1807 PEX	3/4" F1807 PEX	1/2" F1807 PEX	N/A	6	6
<b>REPLACEMENT TERV COMPONENT ONLY</b>						
648-ARW	TERV component, 1/8" MIP - Adjustable relief: 80-125 PSI		1/2" F1960 PEX	N/A	6	6
648-ARX	TERV component, 1/8" MIP - Adjustable relief: 80-125 PSI		1/2" F1807 PEX	N/A	6	6

\* Do Not use pipe dope on FIP swivel threads

\*\* Adjustable relief: 80-125 PSI. Item available Fall 2022



www.siouxchief.com

14940 Thunderbird Road  
Kansas City, MO 64147  
P 1.800.821.3944  
F 1.800.758.5950

