



Relief Valves & Regulators



Model#	Description	Code#
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Bronze Body Water Pressure Regulator

For supply water pressures up to 300 lbs. and can be adjusted from 25 to 75 lbs. The standard setting is 5 lbs. The by-pass feature incorporated into these valves accurately controls build up of system pressure thermal expansion by equalizing the system and supply pressure when relief setting is in excess of available supply main pressure. NPT union inlet x female outlet.

Maximum Temperature - 160°F • Pressure - 50 lbs.

25AUB	3/4" Pressure Regulator	320-3576
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Duo-Cloz Washing Machine "Shut-Off" Ball Valve

Controls both hot and cold water simultaneously protecting machine parts and hoses from damaging effects of water pressure. One "finger-tip" lever end replaces two hand-type valves. Furnished with bronze body construction with 1/2" copper ell adapters.

Maximum Temperature - 180°F • Maximum Pressure - 150 psi.

2-M2	Rough Brass	320-3600
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Temperature & Pressure Relief Valves

ASME rated, self-closing relief valves for water heaters up to 100,000 BTU/hr. A thermostat with thermo-bonded (non-metallic) protective coating and a higher protective dielectric barrier to protect thermostat from accumulations of mineral deposits and galvanic corrosion action. Extends the effective life of the valve by overcoming problems created by adverse water conditions. Includes test lever and 4" extension thermostat. Male inlet & female outlet.

Pressure Range - 75-150 lbs. • Temperature Relief - 210°F

LF100-XL	3/4" • 150-210 psi.	320-4053
	3/4" • 150-210 psi.	320-4059
LFLL100-XL	3/4" • 150-210 psi.	320-4062



Temperature & Pressure Relief Valves

ASME rated, ANSI Z21.22 Bronze body construction, vacuum relief valve vent in drain. Back-up emergency safety fuse plug. Tamper resistant bonnet screws. Thermostat is accurate & proven.

40-XL	3/4" • 150 lb.	320-3942
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Relief Valves & Regulators



Code#	Description	Pkg	Mfg#
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Cash Acme Back-Flow Preventer - Hose Bibb Type

Self-draining, female hose x male hose with break-away set screw.

VB-222	3/4"		320-3845
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Woodford Field Testable Hose Connection Backflow Preventer

50H-BR is designed to prevent high hazard back siphonage backflow and low-head back pressure (10 ft or less) from contaminating the potable water supply. Designed for hose connections, non-removable, field testable, manually drainable for freeze protection, for vertical or horizontal installation. 2-13/16" long.

Maximum Pressure - 75-150 lbs. • Temperature Relief - 210°F

50H-BR	3/4" F Hose Thread x 3/4" Male Hose Thread		320-3890
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Backflow Preventer with Intermediate Atmospheric Vent

For smaller supply lines. For laboratory equipment, processing tanks, sterilizers, dairy equipment and low hazard applications. For boiler feed lines to prevent backflow when supply pressure falls below system pressure. Suitable for use on hot or cold water and can be used under continuous pressure. Brass body with stainless steel working parts, integral strainer and rubber discs. Female union inlet & outlet connections.

Maximum Emergency Backflow Temperature - 250°F

Maximum Pressure - 175 PSI

9-DM3	1/2"		320-3860
9-DM2	3/4"		320-3880



Dual Check Backflow Preventer for Water Supply Service or Individual Outlets

For low hazard applications. Residential system containment. Two compact replaceable check modules, with Buna "N" seals and stainless steel springs. One "O" ring union seal and two "O" ring check seals. Installed horizontally or vertically. For installations immediately downstream from residential water meters. Bronze body construction.

LF7RU2-2	3/4" x 3/4" TXT		320-3761
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Relief Valves & Regulators

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Standard Reduced Pressure Zone Backflow Preventer

Watts 009QT Series Backflow Preventers are designed to provide protection of the safe drinking water supply in accordance with national plumbing codes and water utility authority requirements. They can be utilized in backflow prevention programs, including high hazard cross-connections in plumbing systems, or for containment at the service line entrance. This series features two in-line, independent check valves with an intermediate relief valve. All sizes are constructed with NPT body connections. Standardly furnished with ball type test cocks and quarter-turn, full port, resilient seated bronze ball valve shut-offs.

009-QT	1/2" IP		320-4901
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Watts Air Gap-for use on backflow preventers

909-AG-C	3/4" & 1" Air Gap		320-5101
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Pressure Relief Valve

Bronze body safety relief valve for low pressure protection only on residential boiler equipment. Male inlet and female outlet connection.

510,000 BTU ASME

M335	3/4" 30 lb.		320-4600
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Water Pressure Safety Relief Valves

Bronze body safety relief valves for pressure protection only of all types of hot water heating boiler equipment. Female inlet and outlet connections.

650,000 BTU ASME

174A	3/4" 30 lb.		320-4100
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Pressure Vacuum Breakers

Compact design designed to prevent backsiphonage of contaminated water into a potable water supply. Replaceable plastic seats.

800M4FR	1" Vacuum Breaker		320-4810
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Dual Check with Atmospheric Vent

For use with Carbonated Vending Machines.

For point of distribution in domestic water systems and radiant hydronic heating systems.

320-6352	3/8" FIP x FIP		Wilkins 38-740F
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85121



Z45P

Code#	Description	Pkg	Mfg#
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MixCal Adjustable Three-Way Thermostatic Mixing Valve - 521Series

The Caleffi MixCal 521 series three-way thermostatic mixing valve is used in systems producing domestic hot water or in hydronic and radiant heating systems. It maintains the desired output temperature of the mixed water supplied at a constant set value compensating for both temperature and pressure fluctuations of the incoming hot and cold water. The MixCal is fail cold: for any failure of cold or hot inlets or valve function, the hot water port closes.

For point of distribution in domestic water systems and radiant hydronic heating systems.

- Low-lead brass body
- Locking set point knob
- Internal anti-scale materials
- Fail cold

320-7000	3/4" Sweat x 3/4" Sweat		Caleffi 521509A
320-7004	3/4" NPT Male x 3/4" NPT Male		Caleffi 521500A
320-7008	1" NPT Male x 1" NPT Male		Caleffi 521600A

Two-Way Zone Valve

- Spring return
- Auxiliary micro-switch
- 20 psi
- Normally closed actuator
- 7.5 Cv

320-7010	3/4" Sweat x 3/4" Sweat		Caleffi Z45P
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720A



70XL



925XL2



RK34-975XL

Code#	Description	Pkg	Mfg#
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Pressure Vacuum Breaker Assembly

Designed for installation on potable water lines to protect against backsiphonage of contaminated water into the potable water supply. Assembly shall provide protection where a potential health hazard exists.

Features & Benefits"

- Tapped ball valves with threaded test cocks allows installation in either position allowing direct replacement of other manufacturer's PVB, regardless of orientation
- Bronze Bonnet for greater strength and durability
- Serial Number visible in any installed orientation
- Top access for easy maintainability
- Typical application: irrigation system
- Max working water pressure: 150 PSI
- Hydrostatic test pressure: 300 PSI
- Protects against backsiphonage
- Owner must protect from freeze damage
- Max working water temperature: 110°F
- End connections threaded: ANSI B1.20.1

320-6351	1" FIP x FIP Bronze with Ball Valves		720A
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Water Pressure Reducing Valve

Ideal for use where Lead-Free valves are required. Designed for installation on potable water lines to reduce high inlet pressure to a lower outlet pressure.

Features:

- Threaded connections (FNPT) ANSI B1.20.1
- Copper connections (FC) ANSI B16.22
- CPVC tailpiece: Max. hot water temp. 180°F @ 100 psi
Cold water rated temp. 73.4°F @ 400 psi
- Max working water pressure 300 psi
- Reduced pressure range 25 psi to 75 psi
- Max working water temperature 140°F
- Factory preset 50 psi

320-6370	3/4" FIP Union x FIP Bronze		70XL
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Reduced Pressure Principal Assembly

- Reduced pressure principle backflow preventer consisting of a pressure differential relief valve located between two independently operated spring-loaded center guided check valves, "Y" pattern body
- Complete with two full port resilient seated ball valves for shut-off and four resilient seated ball valve test cocks
- Nickel-plated ball valve handles offer superior corrosion resistance
- Noryl replaceable seats and silicone rubber check discs

- Bronze body construction
- Temperature range 33°F-180°F
- Entire unit serviceable in line
- Maximum pressure 175 psi

320-6401	1/2" FIP x 1/2" FIP Bronze		975XL2
320-6403	3/4" FIP x 3/4" FIP Bronze		975XL2
320-6405	1" FIP x 1" FIP Bronze		975XL2

Reduced Pressure Principal Assembly Complete Repair Kit

- Fits 3/4 - 1" 975XL and 975XL2
- Includes No. 1 and No. 2 check seal ring, No. 1 and No. 2 check spring, relief valve rubber components, relief valve spring, o-rings, and lubricant

.695046	1/4" to 1/2" Complete Repair Kit		RK14-975XL
320-6500	3/4" to 1" Complete Repair Kit		RK34-975XL
320-6520	1-1/4" to 2" Complete Repair Kit		RK114-975XL