WATTS REGULATOR
WATTS REGULATOR COMPANY

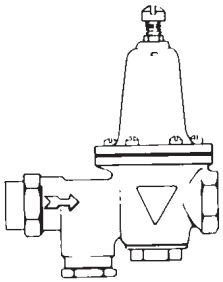
Watts Relief Valves and Regulators

Model #	Description	Code #

Standard Capacity Water Pressure Reducing Valve with Integral Strainer.
Series U5 is a regulator line for residential, commercial, and industrial applications. Furnished with union inlet connections with threaded tailpiece.

Maximum Temperature - 160 degrees F.
Initial Pressure - Up to 300 pounds.
Adjustable Reduced Pressure Range - Valves set at 50 lbs. no flow pressure. Adjustable from 25 to 75 lbs. For lower and higher pressure ranges.
Inlet union connection.

U5B	1/2 inch	320-3510
U5B	3/4 inch	320-3512
U5B	1 inch	320-3514

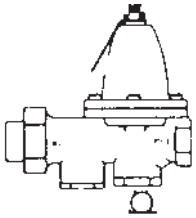


U5B, U5BLP

U5BLP - Similar to U5B but specially designed for low pressure service for residential and commercial applications. They are particularly suited for automatic dishwashers, booster heaters and similar installations in addition to feed water pressure control for larger hot water heating systems. They are assembled with a special heat protective diaphragm facing ideal for high temperature dishwasher installations and suitable for long lasting hot water service.

Maximum Temperature - 200 degrees F
Initial Pressure - Up to 200 lbs.
Reduced Pressure Range - 10 to 35 lbs., set for 30 lbs. no flow pressure
Inlet union connection.

U5BLP	1/2 inch	320-3530

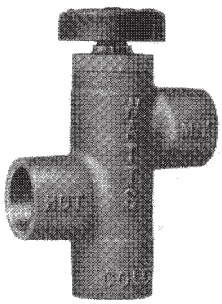


25AUB

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 50 lbs. The by-pass feature incorporated into these valves accurately controls build-up of system pressure and 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 degrees F
Pressure - 50 pound

25AUB	1/2 inch	320-3570
25AUB	3/4 inch	320-3575

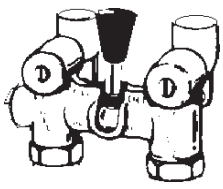


70A

Hot Water Extender Tempering Valves for Residential Installations
For domestic hot water service. Mixes cold water and hot water. For automatic storage water heaters it increases draw capacity. Convenient adjusting dial for “finger-tip” temperature control. Heavy SS springs.

Standard temperature range 120 degrees F to 160 degrees F.
Maximum pressure - 150 psi

70A	1/2 inch sweat	320-3980
70A	3/4 inch sweat	320-3982



2

Duo-Cloz Washing Machine “Shut-Off” Valve with Ball-Type Construction
Controls both hot and cold water simultaneously protecting machine parts and hosed 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 degrees
Maximum Pressure - 150 ps

2	Rough Brass	320-3600

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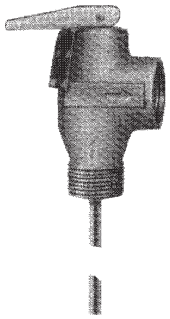
Model #	Description	Code #



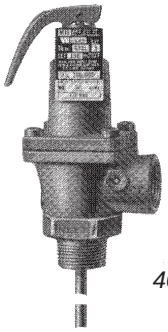
100-XL

Temperature and Pressure Relief Valves

A.S.M.E. rated, self-closing relief valves for water heaters up to 100,000 BTU/ hour. A thermostat with thermo-bonded (non-metallic) protective coating and a highly protective dielectric barrier to protect thermostat from accumulations of mineral deposits and galvanic corrosive 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 and female outlet.
Pressure range 75-150 pounds.
Temperature relief - 210 degrees F

100-XL	125# - 3/4 inch	320-4050
100-XL	150# - 3/4 inch	320-4052
L100-XL	150#-3/4 inch	320-4058
LL100-XL	150#-3/4 inch extra long	320-4060

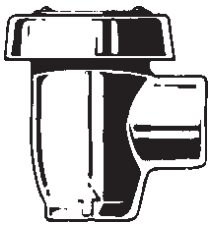


40-XL

Temperature and Pressure Relief Valves

A.S.M.E. 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 and proven.

40-XL	150#- 3/4 inch	320-3942
40-XL	125#- 1 inch	320-3950
40-XL	150#- 1 inch	320-3952



288A,288AC

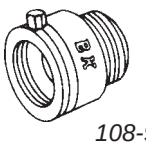
Anti-Siphon Vacuum Breakers for Hot or Cold Water

For high hazard cross connections not subject to continuous pressure - 6" above flood rim. Designed to prevent back siphonage of contaminated water into a potable water supply.

Maximum temperature - 210 degrees F at 125 lbs. working pressure

288A	1/2 inch - Plain Brass	320-4181
288A	3/4 inch - Plain Brass	320-4182
288AC	3/8 inch - Polished Chrome	320-4189
288AC	1/2 inch - Polished Chrome	320-4193
288AC	3/4 inch - Polished Chrome	320-4195

B & K



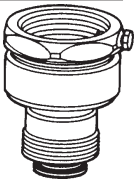
108-904

Backflow Preventer - Import

Brass construction, backflow preventer with 3/4" hose thread connections, break off attachment screw for permanent installation. Hose threads comply with ANSI B2.4

108-904	3/4 inch	320-3850

CASH ACME



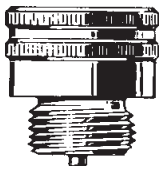
VB-222

Cash Acme Back Flow Preventer - Hose Bibb Type

Self-Draining, female hose x male hose with breakaway set screw.

VB-222	3/4 inch	320-3845

Model #	Description	Code #

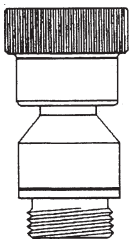


8AC

Hose Connection Vacuum Breaker for Back-siphonage Protection
For residential and industrial hose supply outlets not subject to continuous pressure. Brass bodied devices which provide back-siphonage protection for portable hoses connected to hose thread faucets. Prevents the reverse flow of contaminated water back into the potable water supply. Suitable for either inside or outside use. Non-removable feature prevents unauthorized removal from sill cock or hose hydrant. Not self-draining.

Maximum pressure - 125 psi
Inlet - 3/4" standard female hose thread
Outlet - 3/4" standard male hose thread

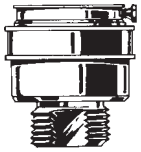
8AC	3/4 inch	320-3840



N9-CD

Field Testable Hose Connection Backflow Preventer
N9-CD 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

N9-CD	3/4" F.Hose Thd x 3/4" M. Hose Thd	320-3890



NF8

Hose Connection Vacuum Breaker for Wall and Yard Hydrants Subject to Freezing Conditions.
Designed to permit manual draining for freezing conditions by simply pushing up a valve ring which allows collected water to drain from the outlet line during non-use freezing periods. Furnished with a “non-removable feature to prevent unauthorized removal from the faucet or hydrant application.
Not for continuous pressure.

Inlet Connection - 3/4" standard female hose thread
Outlet Connection - 3/4" standard male hose thread.

NF8	3/4 inch	320-3800

9-D

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 and outlet connections.
Maximum emergency backflow temperature - 250 degrees F.
Maximum pressure - 175 psi.

9-D	1/2 inch	320-3860
9-D	3/4 inch	320-3880

9BD

Backflow Preventer for Vending Machine Water Supply Lines
Prevents backflow of carbon dioxide gas and carbonated water into the water supply system. Double check valve assembly. Equipped with a ball check valve which is a third check member. Stainless steel body and internal parts comply with FDA food additive regulations.

9BD	3/8" Flared connection thread inlet and outlet	320-3855

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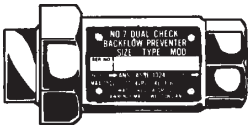
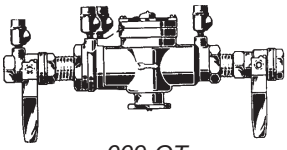
Model #	Description	Code #



7

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.

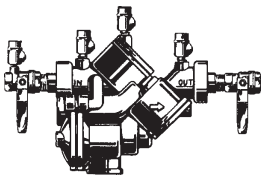
7	3/4 inch	320-3760
7	1 inch	320-3762



009-QT

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	320-4900
009-QT	3/4 IP	320-4910
009-QT	1 IP	320-4912
009-QT	1-1/4 IP	320-4914
009-QT	1-1/2 IP	320-4916
009-QT	2 IP	320-4918



909QT-Female NPT threaded connections

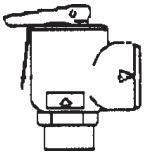
Reduced Pressure Zone Backflow Preventers for High Hazard Cross Connections and Continuous Pressure Applications
Provides superior cross-connection control for cold and hot water installations. Unique patented design of "air-in/water-out" principle provides high capacity relief valve discharge performance during the emergency conditions of combined backsiphonage and backpressure with both checks fouled. Bronze body construction, replaceable seats, ball valve test cocks. Furnished with NPT connections and quarter turn, full port, bronze ball valves.

909-QT	3/4 inch	320-5010
909-QT	1 inch	320-5012
909-M1QT	1-1/2 inch	320-5016
909-M1QT	2 inch	320-5018

AG Series

Watts Air Gap-for use on backflow preventers

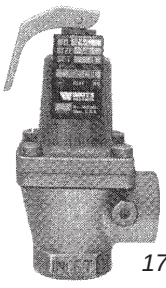
909AG-A	Watts Air Gap 1/4-1/2"	320-5100
909-AG-C	Watts Air Gap 3/4" and 1"	320-5101



3/4" M335

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

M335	30# -3/4 inch,510,000 BTU ASME, Male Inlet,Fem Outlet	320-4600



174A

A.S.M.E. 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.

174A	30# - 3/4 inch, 650,000 BTU ASME	320-4100
174A	125# - 3/4 inch, 2,070,000 BTU ASME	320-4120
174A	150# - 3/4 inch, 2,445,000 BTU ASME	320-4140

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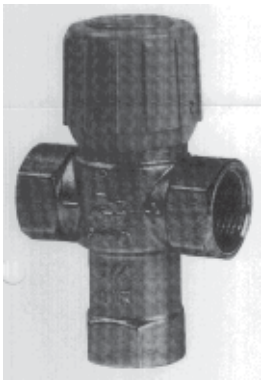
Model #	Description	Code #

800M4FR

Pressure Vacuum Breakers
Compact design designed to prevent backsiphonage of contaminated water into a potable water supply. Replaceable plastic seats.
800M4FR Pressure Vacuum Breaker 1 320-4810

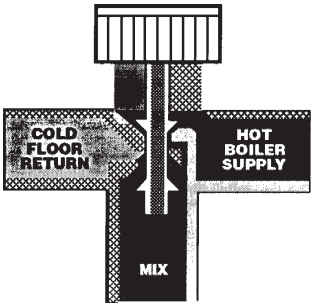
Sparco AQUAMIX Anti-Scald Proportional Thermostatic Mixing and Diverting Valve

SPARCO
AQUAMIX®



Application
Domestic hot water systems; (from tankless heater or storage tank) showers, sinks, baths, washing machines, solar systems and heat pump systems.
Commercial installations: nursery schools, schools shower installations, washing facilities, photo industry, process industry and wherever accuracy and energy savings are required.

Features:
Constant water temperature under any operating condition.
Constant temperature in systems with recirculation.
Proportional valve (simultaneous control of hot and cold water).
Energy savings through lower supply temperatures.
Control of hot water up to shut off.
Anti-scald protection.
Nickel plated brass/bronze construction (inside and outside),viton O rings.
Straight thru design (hot and cold at same level)
Designed for easy maintenance and element replacement.



Standard Applications
AM100 1/2" IPS 413-4100
AM101 3/4" IPS 413-4105
AM102 1" IPS 413-4110

For radiant heating (high limit stop) use model "R"
AM102RUS 1" CC 413-4115

Product Information		
Product Number	GPM*	Temp. Range
AM100	.5-8	110°-145° F
AM101	.5-10	110°-145° F
AM102	.5-12	110°-145° F
AM102RUS	.5-12	8 90°-160° F

* At a Pressure Drop of 22 psi (50 feet)