

# WILKINS



a step ahead of tomorrow  
ZURN INDUSTRIES, INC.

## MODEL 575

Reduced Pressure Principle  
Backflow Preventers  
Sizes 2 1/2", 3", 4", & 6"

### APPLICATION

The WILKINS Model 575 Reduced Pressure Principle Backflow Preventer has been designed for installation in potable water lines where potential health hazards exist.

WILKINS' low head loss makes the device most suitable where system pressures are low or where it is important to hold pressure loss to a minimum.

### FEATURES

#### LOW HEAD LOSS

Lowest in industry

#### LOW MAINTENANCE COSTS

No special tools required to service units

#### COMPACT SIZE

Easy to install

#### MODULAR DESIGN

Unitized spring assembly for safety

One piece sleeve and seat

#### EPOXY COATED MAINCASE

Fusion coated inside and outside

Corrosion Resistant (FDA) Approved

### NOTICE

Proper performance is dependent upon the user adhering to recommended installation procedures, and by having licensed, qualified personnel perform regular, periodic inspection and maintenance. For proper installation, consult WILKINS installation and maintenance manual, and prevailing governmental and local codes.

Two shut-off valves and four test cocks are provided for testing. All Model 575 Reduced Pressure Principle Backflow Assemblies can be disassembled and repaired without removing the assembly from the line.

Damage to the device could result whenever water hammer and/or thermal expansion could cause excessive line pressure. Where this could occur, a spring check, shock arrestor and/or pressure relief valve should be installed downstream of the device.

### PERFORMANCE

WILKINS Model 575 Reduced Pressure Backflow Preventer meets or exceeds the requirements for flow rates and head loss of AWWA, FCCCHR at U.S.C., IAPMO (UPC)®, ASSE, CSA, and U.L.\* Consult your local WILKINS representative or factory for other state, county or city acceptances.



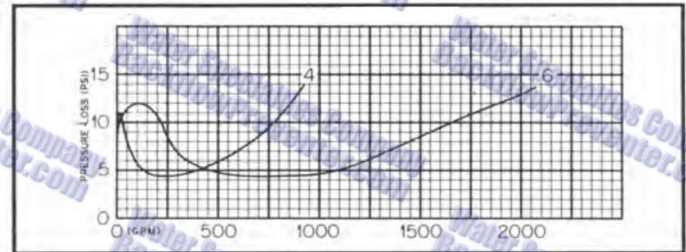
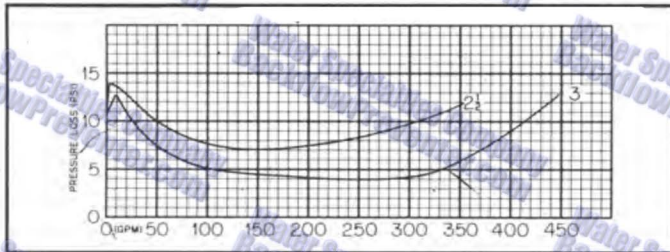
### WARRANTY

WILKINS Backflow Preventers are warranted against defects in material and workmanship for a period of one year from date of shipment strictly in accordance with WILKINS' Certificate of Limited Warranty.

\* U.L. listed backflow preventers must include OS & Y Gate Valves.



## SPECIFICATIONS FLOW CHARACTERISTICS



### PURPOSE

The WILKINS Model 575 Reduced Pressure Backflow Preventer consists of a main body with two check valves and a connecting external pressure differential relief valve located between the two check valves. Check valves are spring loaded and operate independently. The relief valve functions automatically by sensing the pressure differential across the first check valve and discharges backflow to atmosphere in the event the check valve becomes damaged or fouled.

### MATERIALS

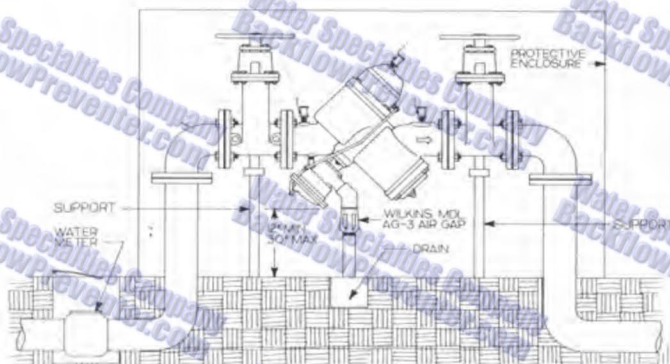
All corrosion resistant  
Cast iron maincase, epoxy coated (FDA approved), inside and outside.  
Brass poppet type check valves- unitized spring assembly, independently operated, stainless steel springs.  
One piece brass sleeve and seat- easy to remove

### PRESSURE-TEMPERATURE

Suitable for supply pressure up to 150 PSI and water temperatures from 33°F to 110°F.

### TYPICAL INSTALLATION

Install with minimum clearance of 12" from floor or grade.  
Install with adequate side clearance for testing and maintenance.  
Protect from freezing.  
Install adequate support blocks.  
Do not install in pit or vault.

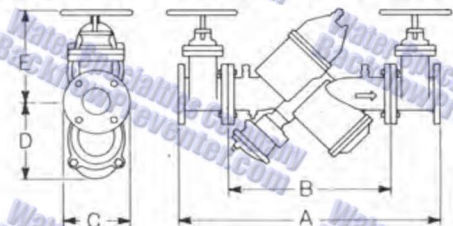


### OPTIONS

Suffix

R - with resilient wedge shut-off valves  
FS - with flanged strainer  
FSC - with epoxy coated flanged strainer  
ROS&Y - with resilient wedge OS & Y shut-off valves  
L - without shut-off valves

### DIMENSIONS & WEIGHTS



SIZE inches	DIMENSIONS				NRS			OS & Y			WEIGHT LBS		
	A	B	C	D	E	E	E	NRS	OS & Y	LESS GATES			
2 1/2	35	20	7.5	8.75	13	16	13	180	256	118			
3	36	20	7.5	8.75	14	19	15	204	271	118			
4	46	28	9	11	14	24	20	380	482	249			
6	57	36	11	16	21	30	24	865	1023	640			



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- PRESSURE REDUCING VALVES • BACKFLOW PREVENTERS
- TEMPERATURE AND/OR PRESSURE RELIEF VALVES
- BALL VALVES • IRRIGATION VALVES • DIELECTRIC UNIONS
- "Y" STRAINERS

### PERFORMANCE UNDER PRESSURE

## WILKINS REGULATOR DIVISION

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