

MODEL 550

**Double Check Valve Assembly
Backflow Preventers**
Sizes 3/4", 1", 1 1/4", 1 1/2" & 2"

WILKINS



a step ahead of tomorrow
ZURN INDUSTRIES, INC.



FEATURES

LOW HEAD LOSS

Lowest in industry

LOW MAINTENANCE COSTS

No special tools required to service units

Few moving parts

In-line serviceability

CAST BRONZE MAINCASE

Sturdy, durable, corrosion resistant

POPPET TYPE CHECK VALVES

Independently operated

Stainless steel springs

COMPACT SIZE

Easy to install

PERFORMANCE

WILKINS Model 550 Double Check Backflow Preventer meets or exceeds the requirements for flow rates and head loss of AWWA, FCCCHR at U.S.C., IAPMO (U.P.C.), ASSE, SBCC, and CSA. Consult your local WILKINS representative or factory for other state, county, or city acceptances.

APPLICATION

The WILKINS Model 550 Double Check Valve Backflow Preventer has been designed for installation in potable water lines where a potential health hazard does not 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.

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 and maintenance. All Model 550 Double Check Valve Backflow Preventers can be disassembled and repaired without removing the device from the line.

Damage to the device could result wherever water hammer and/or thermal expansion could cause excessive line pressure. Where this could occur, shock arrestors and/or pressure relief valves should be installed downstream of the device.

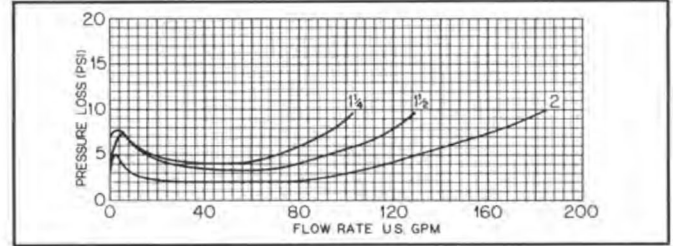
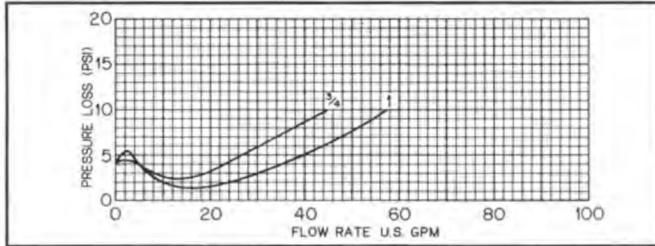
WARRANTY

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.



SPECIFICATIONS

FLOW CHARACTERISTICS



PURPOSE

The WILKINS Model 550 Double Check Valve Backflow Preventer consists of a main body with two check valves. The check valves are spring loaded and operate independently.

PRESSURE-TEMPERATURE

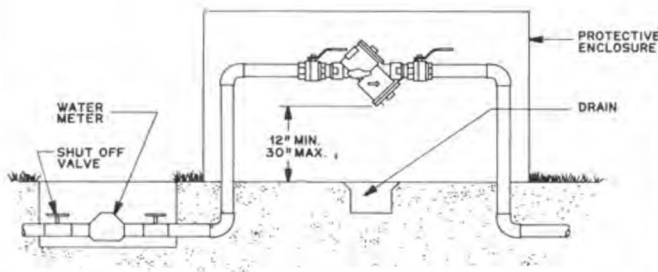
Suitable for supply pressure up to 150 PSI and water temperatures from 33°F to 140°F.

MATERIALS

All corrosion resistant
 Cast bronze maincase
 Stainless steel springs
 Rubber check valve discs
 Stainless steel bolts

TYPICAL INSTALLATION

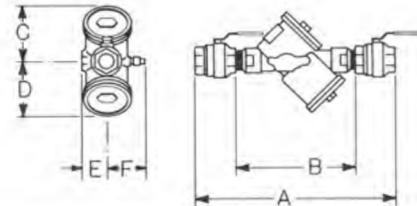
Install with minimum clearance of 12" from floor or grade.
 Install with adequate side clearance for testing and maintenance.
 Protect from freezing.
 If installed in pit or vault consult local codes; provide adequate drainage.



OPTIONS

Suffix (options can be combined)
 B - with full port resilient seated ball valves
 S - with bronze "Y" strainer
 U - with union connections
 L - without shut-off valves

DIMENSIONS & WEIGHTS



MODEL SIZE	DIMENSIONS (INCHES)								WEIGHT (LBS)			
	A Ball Valves	A Gate Valves	A Double Union Ball Valves	B Less Stop Valves	C	D	E	F	Less Stop Valves	With Gates	With Ball Valves	Double Union w/ Ball Valves
3/4	13.75	12.25	15.12	8.5	3.25	3.5	2	3	7.92	9.42	9.42	12.44
1	14.75	12.75	16.12	8.5	3.25	3.5	2	3	7.92	10.42	10.42	13.63
1 1/4	19.25	16.75	N/A	12	5	4.7	2.3	3.5	14.7	18.7	18.2	N/A
1 1/2	19.75	16.75	21.25	12	5	4.7	2.3	3.5	14.7	19.2	21.2	21.34
2	21	16.75	22.25	12	5	4.7	2.3	3.5	14.7	21.2	25.7	25.9



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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
 DIVISION

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