Model 975XLST

Stainless Steel Reduced Pressure Principle Backflow Prevention Assembly

Application

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 975XLST provides protection where a potential health hazard exists. The valve's stainless steel construction is ideal in those systems that utilize liquids corrosive to copper alloys. Potential applications include: medical diagnostic equipment, food processing, distilleries, breweries, etc. Additionally, the 975XLST is ideal for applications requiring valves that are Lead-Free*.

Standards Compliance

- ASSE® Listed 1013
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- Certified to NSF/ANSI 372* by IAPMO R&T

*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Options

(Suffixes can be combined)

☐ - with full port QT ball valves (standard)
☐ L - less shut-off valves

Materials

Main valve body	Stainless steel ASTM A 351
Access covers	Stainless steel ASTM A 351
Internals	Stainless steel, 300 Series
Elastomers	Silicone (FDA approved)
	Buna nitrile (FDA approved)
Polymers	Noryl™, NSF Listed
Springs	Stainless steel, 300 series
Ball Valves	Stainless steel ASTM A 351
Test Cocks	Stainless steel ASTM A 351

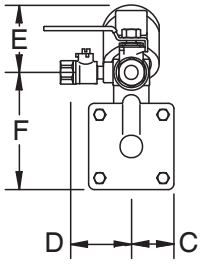
Accessories

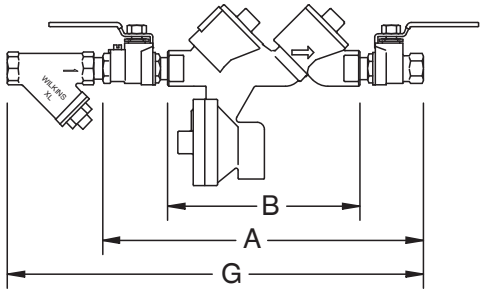
☐ Air gap (Model AG)
☐ Repair kits (rubber only)
☐ QT-SET Quick Test Fitting Set

Features

Sizes: 3/8", 1/2"	
Maximum working water pressure	175 psi
Maximum working water temperature	180° F
Threaded connections (FNPT)	ANSI B1.20.1

Relief Valve discharge port:
1/4" - 1/2" - 0.38 sq. in.





Dimensions & Weights (do not include pkg.)

MODEL SIZE		DIMENSIONS (approximate)														WEIGHT			
		A		B		C		D		E		F		G		W/BV		L/BV	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs	kg
3/8	10	10 3/4	273	5 3/4	146	1 1/2	38	2 3/4	70	2	51	4	102	14 1/4	362	7	3.2	6	2.7
1/2	15	10	254	5 3/4	146	1 1/2	38	2 3/4	70	2	51	4	102	13 1/2	343	7	3.2	6	2.7

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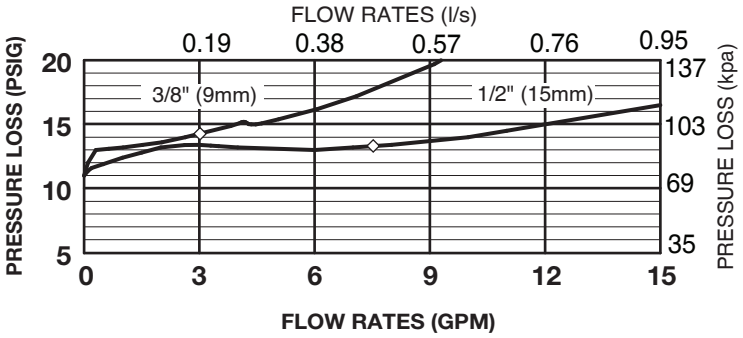
Flow Characteristics

◇ Rated Flow (established by approval agencies)

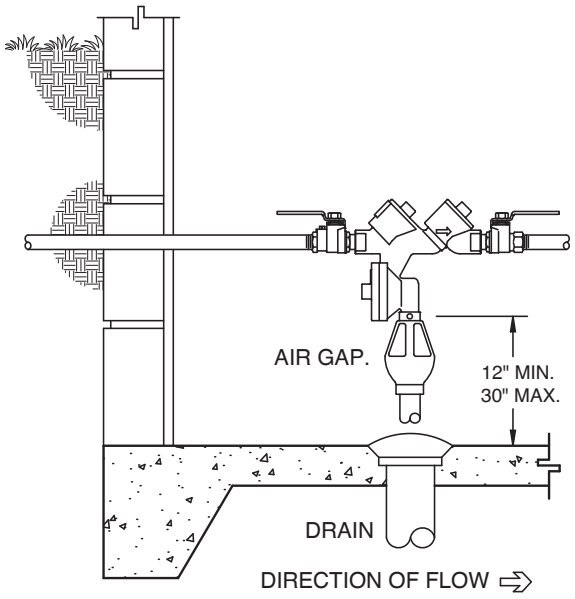
MODEL 975XLST 3/8" & 1/2" (STANDARD & METRIC)



Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged or where relief valve discharge could cause damage.

Capacity thru Schedule 40 Pipe				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
1/8"	1	1	2	3
1/4"	2	2	3	5
3/8"	3	4	6	9
1/2"	5	7	9	14
3/4"	8	12	17	25
1"	13	20	27	40
1 1/4"	23	35	47	70
1 1/2"	32	48	63	95
2"	52	78	105	167



INDOOR INSTALLATION

Specifications

The Reduced Pressure Principle Backflow Preventer shall be certified to NSF/ANSI 372, shall be ASSE® Listed 1013, rated to 180° F and supplied with full port ball valves. The main body and access covers shall be stainless steel (ASTM A 351), the seat ring and all internal polymers shall be NSF® Listed Noryl™ and the seat disc elastomers shall be silicone. The checks shall be oriented at a 45° angle upward and accessible for maintenance without removing the relief valve or the entire device from the line. If installed indoors, the installation shall be supplied with an air gap and "y" type strainer. The Reduced Pressure Principle Backflow Preventer shall be a ZURN WILKINS Model 975XLST.

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