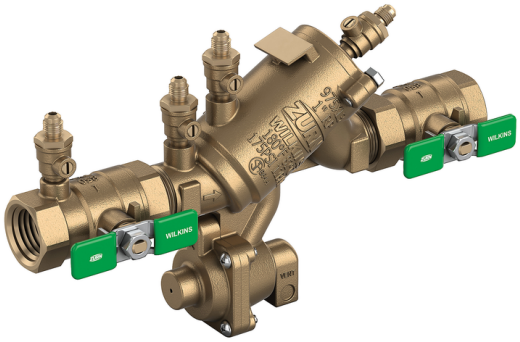
Model 975XL3

Backflow Preventer - Bronze Reduced Pressure Principle Assembly with EZ Swap Modular Check Valves

TAG

Application

Ideal for use where Lead-Free* valves are required. Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. Assembly shall provide protection where a potential health hazard exists.



1″ 975XL3

Standards Compliance

- ASSE® Listed 1013
- cUPC® Listed
- CSA® Certified B64.4
- UL® Classified (less shut-off valves)
- C-UL® Classified
- AWWA Compliant C511
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- Meets the requirements of NSF/ANSI/CAN 61 and 372*

*(LESS THAN 0.25% WEIGHTED AVERAGE LEAD CONTENT)

Materials

Main Valve Body	Low Lead Cast Bronze ASTM B584
Access Covers	Low Lead Cast Bronze ASTM B584
Ball Valve Handles	Stainless Steel
Elastomers	Silicone (FDA approved) Buna Nitrile (FDA approved)
Fasteners	300 series Stainless Steel
Polymers	NORYL™
Springs	300 series Stainless Steel

Features

Sizes	1/2″, 3/4″, 1″, 1-1/4″, 1-1/2″, 2″
Minimum working water pressure	25 PSI
Maximum working water pressure	175 PSI
Minimum working water temperature	33°F
Maximum working water temperature	180°F
Hydrostatic test pressure	350 PSI
Threaded end connections (FNPT)	ANSI B1.20.1
Relief Valve discharge port	1/2″ - 1″ - 0.29 sq. in. 1-1/4″ - 1-1/2″ - 0.59 sq. in. 2″ - 0.93 sq. in.

Options (Suffixes can be combined)

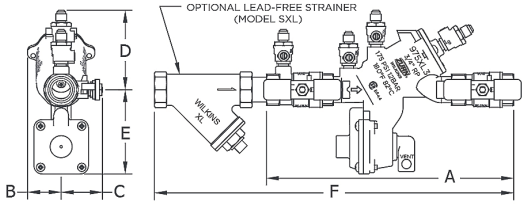
	With full port QT ball valves (standard, 1/2″-2″),integral male 45° flare SAE test fitting (standard, 1/2″ - 1″)
SE	With 90° elbows (1/2″ - 1″)
FT	With integral male 45° flare SAE test fitting (1-1/4″ - 2″, contact factory for approvals)
U	With union ball valves (3/4″ - 2″)
S	With Model SXL lead free bronze wye strainer

Accessories

- Repair Kits (1/2″ - 2″)
- Water Hammer Arrestor 1260XL
- In-Line Single Check Valve 40XL2
- Air Gap Fitting for RP Backflow AG
- Quick Test Fittings QT
- Thermal Expansion Tank XT
- 900XL3 Winterization Tool 900XL3WF

Suggested Pairing

- Pressure Reducing Valve with Venturi 500XL3
- Pressure Reducing Valve with Integral Strainer 600XL3
- Pressure Reducing Valve with Integral Strainer - Competitor Replacement Length 625XL3



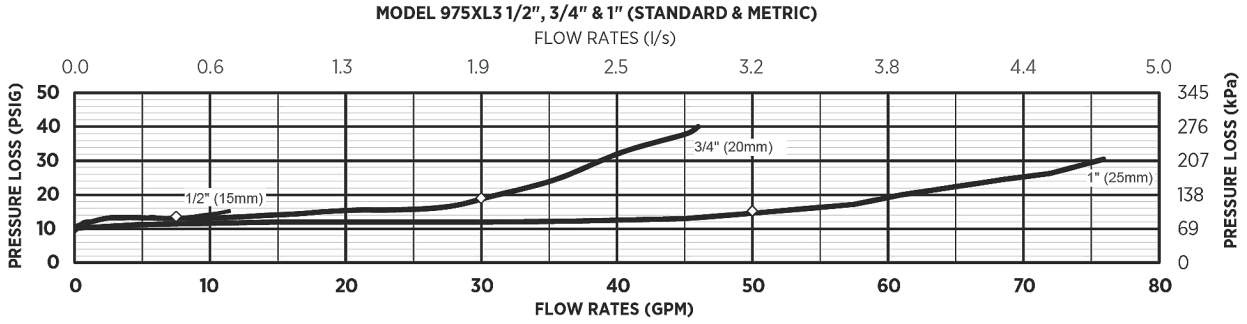
Dimensions & Weights (do not include pkg.)

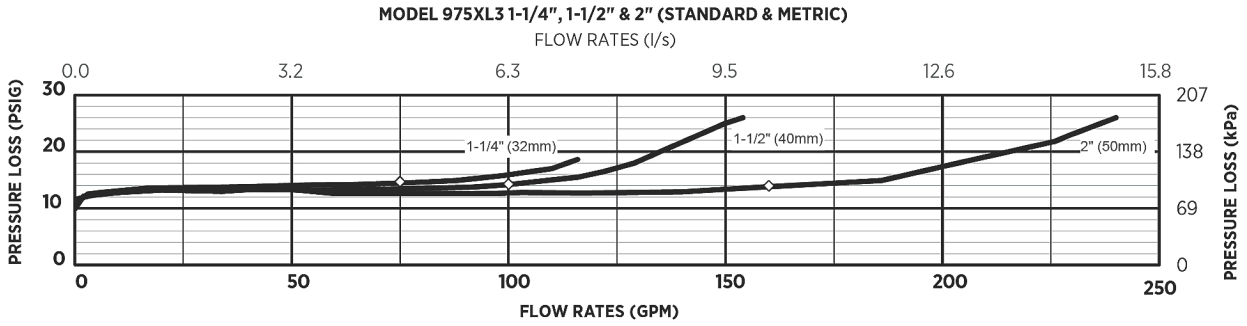
MODEL SIZE		DIMENSIONS (approximate)												WEIGHT	
		A		B		C		D		E		F		WITH BALL VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
1/2	15	9 5/16	237	1 3/8	35	1 1/2	38	3 7/32	82	3 3/8	86	13 1/16	332	4	1.8
3/4	20	10	254	1 3/8	35	1 11/16	43	3 7/32	82	3 3/8	86	14 1/8	359	4	1.8
1	25	11 13/16	300	1 9/16	40	1 15/16	49	3 7/16	87	3 1/2	89	16 3/16	412	6	2.7
1 1/4	32	15 9/16	396	1 9/16	40	2 1/2	64	4 1/16	104	5 3/16	133	21 1/8	537	15	6.8
1 1/2	40	15 11/16	399	1 9/16	40	3 1/8	79	4 1/16	104	5 3/16	133	22 3/8	569	16	7.3
2	50	17 7/8	454	1 15/16	49	3 1/2	89	4 15/16	126	6 5/8	169	25 7/8	657	22	10

Design and dimensional data (inches and [mm]) are subject to manufacturing tolerances and change without notice.

Flow Characteristics

◇ Rated Flow (established by approval agencies)

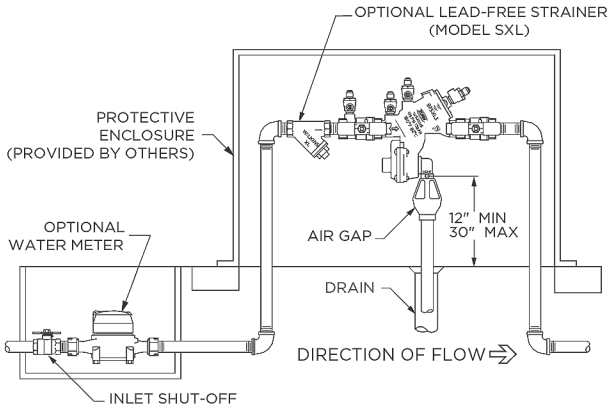




Typical Installation

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.

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



OUTDOOR INSTALLATION

Installation and Maintenance Instructions - Model 975XL3

Plumbing Schedule - 975XL3

Specifications (900XL3 Written Specification)

The Reduced Pressure Principle Backflow Preventer shall be certified to NSF/ANSI/CAN 61 and 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 low lead bronze (ASTM B 584), the seat ring and all internal polymers shall be NORYL™ and the seat disc elastomers shall be silicone. The first and second checks shall be at an angle and be accessible for maintenance without removing the relief valve or the entire device from the line. The checks shall share a single access cover and test cocks shall be accessible from the top of the device. If installed indoors, the installation shall be supplied with an air gap adapter. The Reduced Pressure Principle Backflow Preventer shall be a WILKINS Model 975XL3.