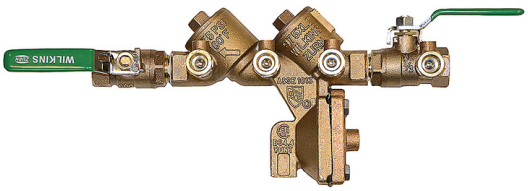
Model 975XL2 (1/4" - 1/2")

Backflow Preventer - Reduced Pressure Principle Assembly (1/4" - 1/2")

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. The Model 975XL2 provides protection where a potential health hazard exists.



1/2" 975XL2

Standards Compliance

- ASSE® Listed 1013
- cUPC® Listed
- CSA® Certified B64.4
- 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*

*(0.25% MAX. 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 1/4", 3/8", 1/2"

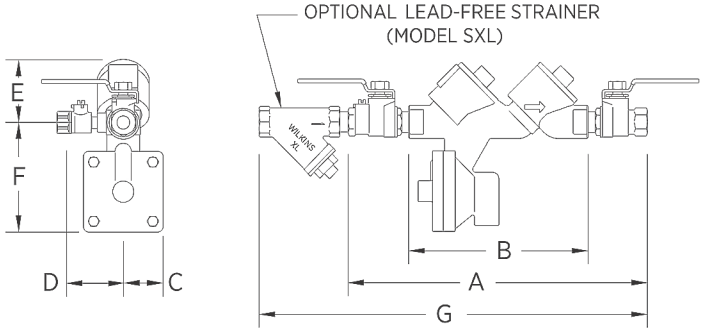
Maximum working water pressure	175 PSI
Maximum working water temperature	180°F
Hydrostatic test pressure	350 PSI
End connections (Threaded)	ANSI B1.20.1
Relief Valve discharge port	3/4" - 1" - 0.63 sq. in.
	1 1/4" - 2" - 1.19 sq. in.

Options (Suffixes can be combined)

	With full port QT ball valves (standard)
TCU	With test cocks up
FT	With integral male 45° flare SAE test fitting
S	With lead free bronze wye strainer (1/2" only)

Accessories

- Repair Kits (1/4" - 1/2")
- Water Hammer Arrestor 1260XL
- In-Line Single Check Valve 40XL2
- Air Gap Fitting for RP Backflow AG
- Thermal Expansion Tank XT
- Quick Test Fitting Set QT-SET



Dimensions & Weights (do not include pkg.)

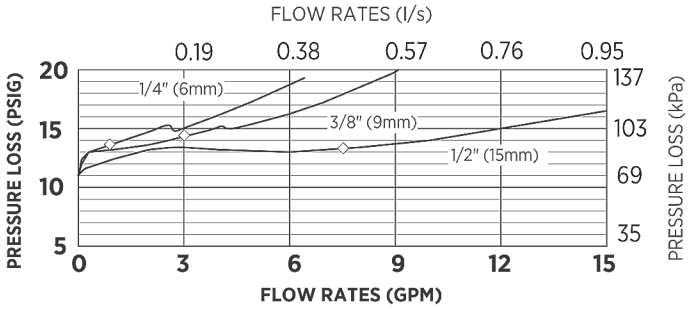
MODEL SIZE		DIMENSIONS (approximate)														WEIGHT	
		A		B		C		D		E		F		G		WITH BALL VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
1/4	8	9 1/2	241	5 3/4	146	1 1/2	38	2 3/4	70	2	51	4	102	N/A	N/A	7	3.2
3/8	10	10 3/4	273	5 3/4	146	1 1/2	38	2 3/4	70	2	51	4	102	14 1/4	362	7	3.2
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

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

Flow Characteristics

◇Rated Flow (established by approval agencies)

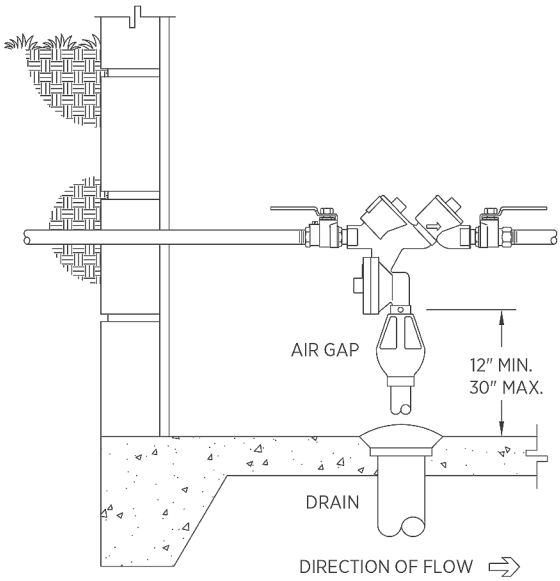
MODEL 975XL2 1/4", 3/8" & 1/2" (STANDARD & METRIC)



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

Installation and Maintenance Instructions - Model 975XL2

Instructions for Freeze Protection - Model 950, 950XL, 975 & 975XL

Specifications (975XL2 (1/4" -1/2") 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 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 wye type strainer. The Reduced Pressure Principle Backflow Preventer shall be a WILKINS Model 975XL2.