



Model 975XL3

Reduced Pressure Principle Assembly

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.



NSF/ANSI/CAN 61

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 B 584
Access covers	Low Lead Cast Bronze ASTM B 584
Fasteners	Stainless Steel, 300 Series
Elastomers	Silicone (FDA Approved) Buna Nitrile (FDA Approved)
Polymers	Noryl™
Springs	Stainless Steel, 300 Series
Ball valve handles	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)

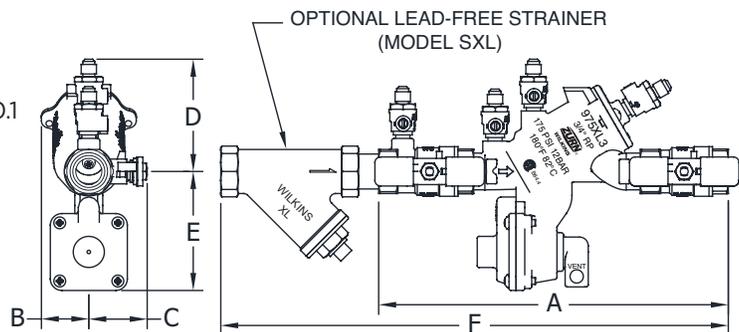
- with full port QT ball valves (standard, 1/2" - 2"), and with integral male 45° flare SAE test fitting (standard, 1/2" - 1")
- FT - with integral male 45° flare SAE test fitting (1 1/4" - 2", contact factory for approvals)
- S - with Model SXL lead-free wye type strainer
- SE - with 90° elbows (1/2"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

Accessories

- Air gap (Model AG-X)
- Repair kits (see repair kit guide for full list)
- Thermal expansion tank (Model XT)
- Soft seated check valve (Model 40XL2)
- Shock arrester (Model 1260XL)
- QT-SET Quick Test Fitting Set (1 1/4" - 2")

Air Gap Part Numbers Repair Kit Part Numbers

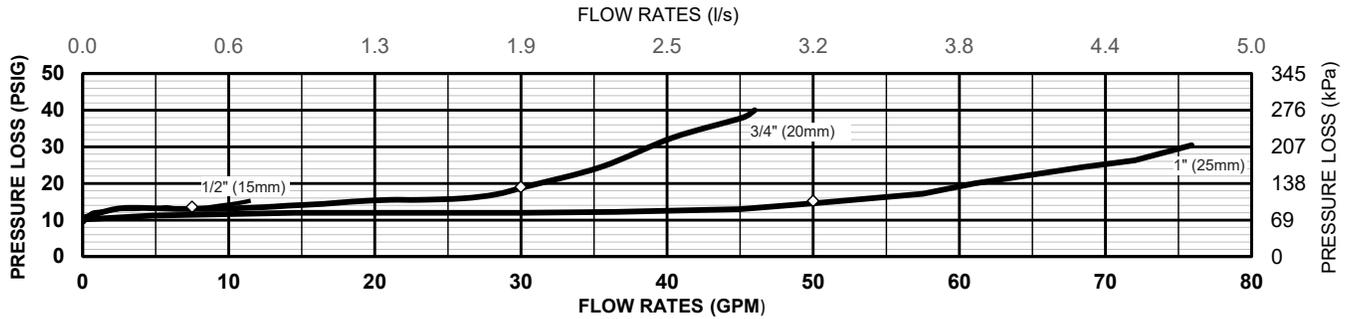
AG-4 (1 1/4" - 1 1/2")	RK34-975XL3 (1/2" & 3/4")
AG-5 (2")	RK1-975XL3
AG-8 (1/2" - 1")	RK114-975XL3 (1 1/4" & 1 1/2")
	RK2-975XL3



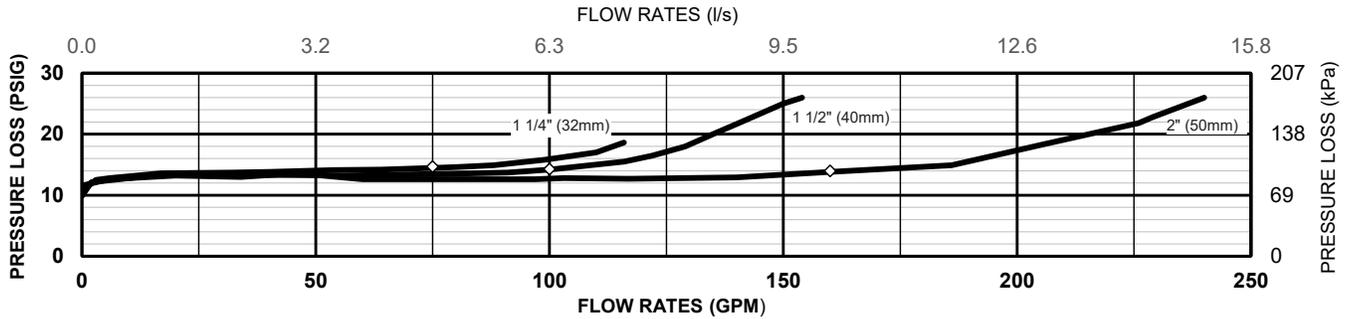
Dimensions & Weights (do not include pkg.)

MODEL SIZE		DIMENSIONS (approximate)												WEIGHT WITH BALL VALVES	
		A		B		C		D		E		F			
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	11/2	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	11 1/16	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

MODEL 975XL3 1/2", 3/4" & 1" (STANDARD & METRIC)



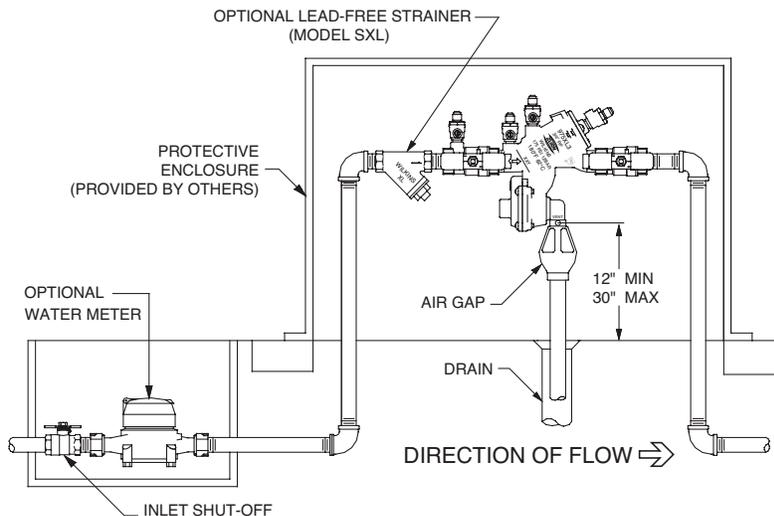
MODEL 975XL3 1 1/4", 1 1/2" & 2" (STANDARD & METRIC)



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.

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

Specifications

The Reduced Pressure Principle Backflow Preventer shall be certified to NSF/ANSI/CAN 61, 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 ZURN WILKINS Model 975XL3.