Model(s) 975XL3N

Reduced Pressure Principle Backflow Preventer – N-Pattern

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. Model 975XL3N is for applications requiring vertical flow up and vertical flow down.

Standards Compliance

ASSE® Listed 1013
AWWA Compliant C511
CSA® Certified B64.4
cUPC® Listed
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 & 372
*(LESS THAN 0.25% WEIGHTED AVERAGE LEAD CONTENT)

Materials

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

Features

Sizes	3/4", 1", 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	3/4" - 1" - 0.29 sq. in. 1 1/2" - 0.59 sq. in. 2" - 0.93 sq. in.

Options (Suffixes can be combined)

☐	-	With full port QT ball valves (standard)
☐ S	-	Bronze "Y" type strainer

Accessories

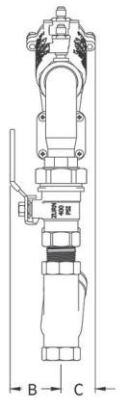
☐	Wilkins Backflow Preventer Parts Catalog		
☐	Repair Parts - 975XL3		
☐	1260XL	Water Hammer Arrestor	(Spec Sheet)
☐	40XL2	In-Line Single Check Valve	(Spec Sheet)
☐	AG	Air Gap Fitting for RP Backflow	(Spec Sheet)
☐	QT	Quick Test Fittings	(Spec Sheet)
☐	XT	Thermal Expansion Tank	(Spec Sheet)
☐	900XL3WF	900XL3 Winterization Tool	

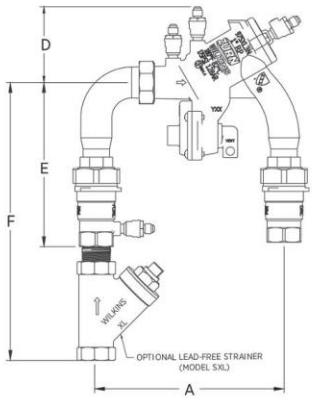
Suggested Pairing

☐	500XL3	Pressure Reducing Valve	(Spec Sheet)
☐	600XL3	Pressure Reducing Valve	(Spec Sheet)
☐	625XL3	Pressure Reducing Valve	(Spec Sheet)

Architectural/Engineering Approval

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





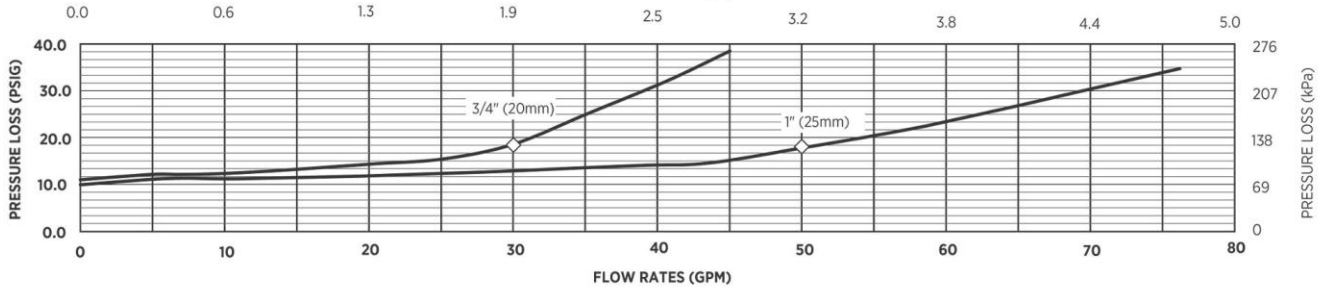
Dimensions & Weights (do not include pkg.)

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
3/4	20	8 1/2	216	1 11/16	42	1 3/8	35	3 7/32	82	5 15/32	139	4 5/8	118	5	2.3
1	25	8 1/2	216	2 5/16	59	1 9/16	39	3 7/16	87	7 7/16	188	5 3/16	131	7	3.2
1 1/2	40	11 1/2	292	3 3/32	78	2 1/16	52	4 9/32	109	7 15/16	201	7 7/32	183	18	8.2
2	50	11 1/2	292	3 1/2	89	2 5/8	67	4 31/32	126	8 17/32	216	8 11/16	221	24	10.9

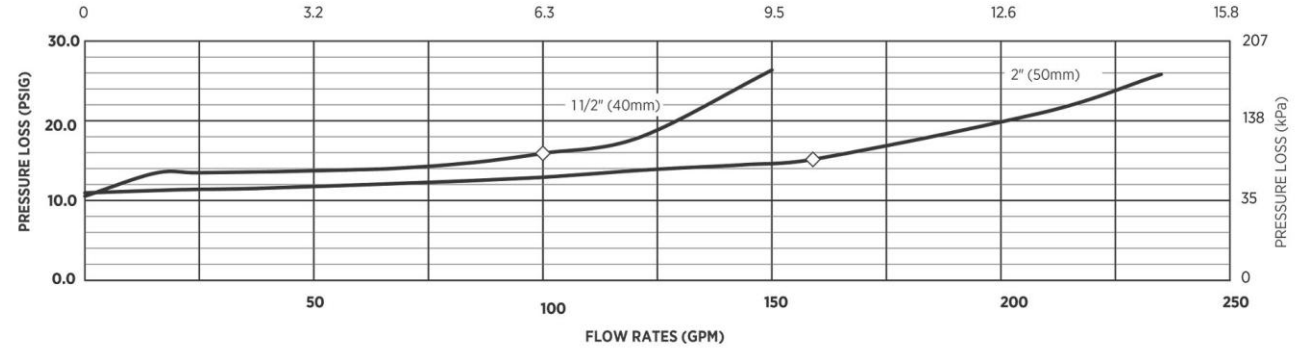
Flow Characteristics

◇Rated Flow (established by approval agencies)

MODEL 975XL3N 3/4" & 1" (STANDARD & METRIC)



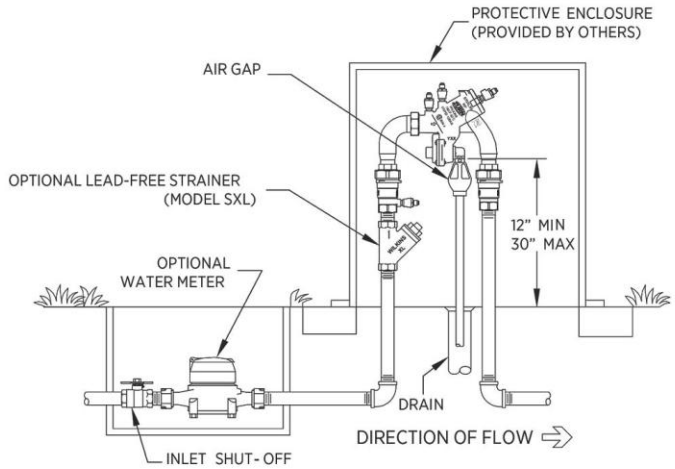
MODEL 975XL3N 1 1/2" & 2" (STANDARD & METRIC)



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

Installation Instructions - 975XL3N

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 ZURN WILKINS Model 975XL3N.