



# Model 975XL3BFSS

## 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 polluted water into the potable water supply. Assembly shall provide protection where a potential health hazard exists. Features slow closing resilient seated UL/FM approved butterfly shutoffs with supervisory switch. For indoor or outdoor use.



### Standards Compliance

- ASSE® Listed 1013
- cUPC® Listed
- CSA® Certified B64.4
- UL® Classified
- C-UL® Classified
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California (2" only)
- Meets the requirements of NSF/ANSI/CAN 61 & 372\*  
\*(Less Than 0.25% Weighted Average Lead Content)



LEAD FREE



NSF/ANSI/CAN 61

### 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

### Options

- (Suffixes can be combined)
- FT - with "Fast Test" test cocks

### Accessories

- Repair kit (see repair kit guide for full list)
- Thermal expansion tank (Model XT)
- Bronze wye strainer (Model SXL)
- QT-SET Quick Test Fitting Set
- Air gap (Model AG-X)
- Soft seated check valve (Model 40XL2)
- Shock arrester (Model 1260XL)

### Features

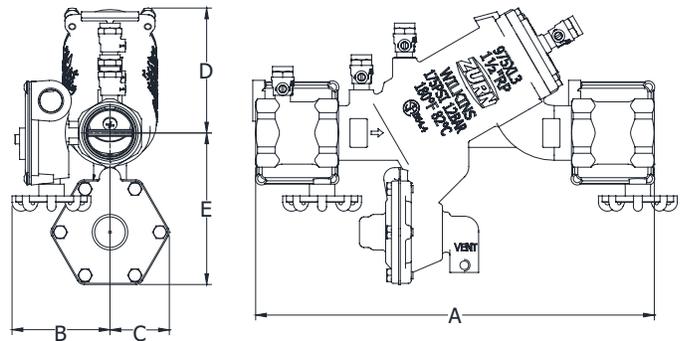
Sizes:	1 1/4", 1 1/2", 2"	
Minimum working water pressure		25 PSI
Maximum working water pressure		175 PSI Mini-
imum working water temperature		33°F
Maximum working water temperature		180°F
Hydrostatic test pressure		350 PSI
End connections Threaded (FNPT)		ANSI B1.20.1

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.

### Air Gap Part Numbers

AG-4 (1 1/4" - 1 1/2")	RK114-975XL3 (1 1/4" & 1 1/2")
AG-5 (2")	RK2-975XL3

### Repair Kit Part Numbers

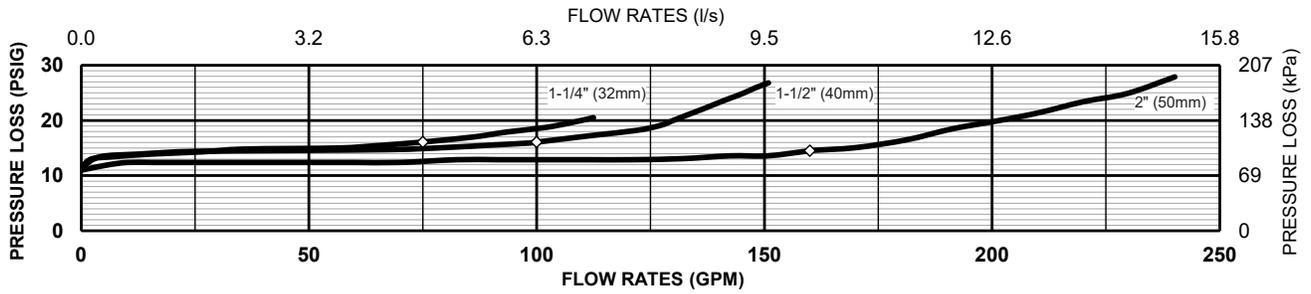


975XL3BFSS SHOWN

### Dimensions & Weights (do not include pkg.)

MODEL SIZE		DIMENSIONS (approximate)										WEIGHT	
		A		B		C		D		E			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
1 1/4	30	13 1/2	343	3 5/16	84	2 1/16	52	4 5/16	110	5 1/4	134	17	7.7
1 1/2	40	13 7/8	352	3 7/16	86	2 1/16	52	4 5/16	110	5 1/4	134	18	8.2
2	50	15 11/16	399	4 7/16	113	2 5/8	67	4 15/16	125	6 11/16	170	22	10.0

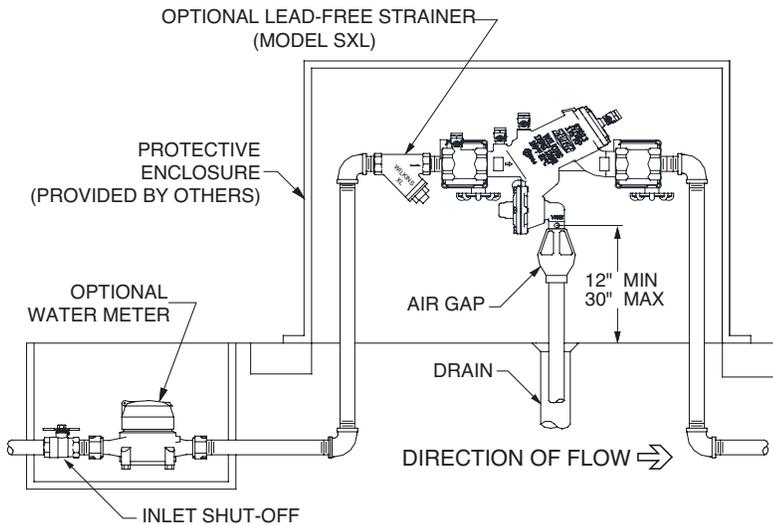
**MODEL 975XL3BFSS 1 1/4", 1 1/2" & 2" (STANDARD & METRIC)**



**Typical Installation**

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's 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°, and supplied with UL/FM approved butterfly valves with supervisory switch. 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 check shall be at an angle and accessible for maintenance from the top of the device, without removing the device from the line. The checks shall share a single access cover and the 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 975XL3BFSS.