

SPECIFICATION SUBMITTAL SHEET



APPLICATION

Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 975XL provides protection where a potential health hazard exists.

FEATURES

Sizes: ☐ 1/4" ☐ 3/8" ☐ 1/2"

Maximum working water pressure 175 psi
Maximum working water temperature 180° F
Threaded connections (FNPT) ANSI B1.20.1

STANDARDS COMPLIANCE

- ASSE® Listed 1013
- IAPMO® Listed
- CSA® Certified
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California

OPTIONS

(Suffixes can be combined)

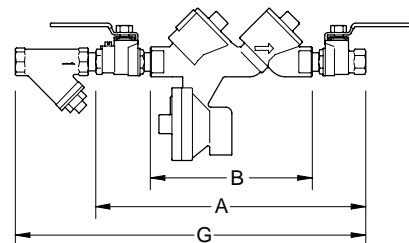
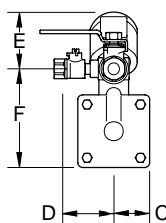
- ☐ - with full port ball valves (standard)
- ☐ L - less shut-off valves
- ☐ S - with bronze "Y" type strainer (1/2" only)
- ☐ TCU - with test cocks up
- ☐ FT - with integral male 45° flare SAE test fitting

MATERIALS

Main valve body Cast bronze ASTM B 584
Access covers Cast bronze ASTM B 584
Internals Stainless steel, 300 Series
Elastomers Silicone (FDA approved)
Buna nitrile (FDA approved)
Polymers Noryl™, NSF Listed
Springs Stainless steel, 300 series

ACCESSORIES

- ☐ Air gap (Model AG)
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model WXTP)
- ☐ Soft seated check valve (Model 40)
- ☐ Shock arrester (Model 1250)
- ☐ QT-SET Quick Test Fitting Set
- ☐ Test Cock Lock (Model TCL24)



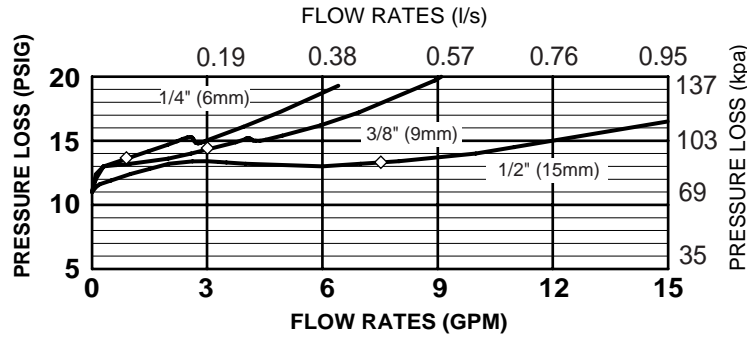
Relief Valve discharge port:
1/4" - 1/2" - 0.38 sq. in.

DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL SIZE		DIMENSIONS (approximate)														WEIGHT			
		A		B		C		D		E		F		G		W/BV		L/BV	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	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	6	2.7
3/8	10	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	6	2.7
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	6	2.7

FLOW CHARACTERISTICS

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



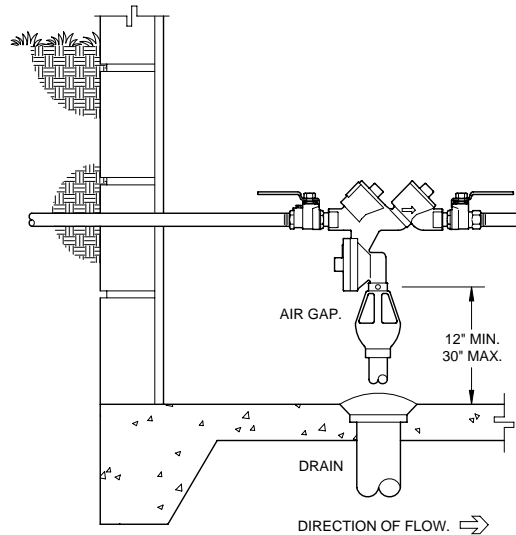
◇ Rated Flow (Established by approval agencies)

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 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

SPECIFICATIONS

The Reduced Pressure Principle Backflow Preventer shall be ASSE® Listed 1013, rated to 180° F and supplied with full port ball valves. The main body and access covers shall be bronze (ASTM B 584), the seat ring and all internal polymers shall be NSF® Listed 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 "y" type strainer. The Reduced Pressure Principle Backflow Preventer shall be a WILKINS Model 975XL.