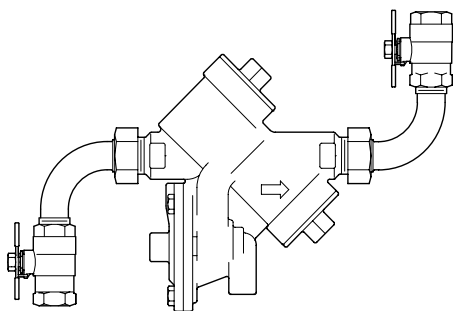


Model 975XLV

Reduced Pressure Principle Assembly
with 90° Union Elbows



APPLICATION

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.

FEATURES

Sizes: ☐ 3/4" ☐ 1"

Maximum working water pressure 175 PSI
Maximum working water temperature 180°F
Hydrostatic test pressure 350 PSI
End connections Threaded ANSI B1.20.1

STANDARDS COMPLIANCE

- ☐ ASSE® Listed 1013
- ☐ IAPMO® Listed
- ☐ AWWA Compliant (Horizontal and Vertical flow)
- ☐ CSA® Certified (Horizontal and Vertical flow)
- ☐ Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

OPTIONS

(Suffixes can be combined)

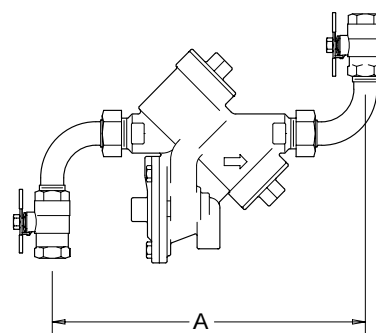
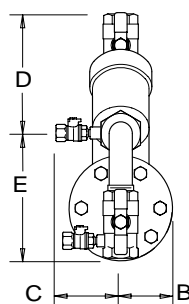
- ☐ - with full port QT ball valves (standard)
- ☐ S - with bronze "Y" type strainer
- ☐ PRE-SET - with strainer, regulator or check valve

MATERIALS

Main valve body	Cast Bronze ASTM B 584
Access covers	Cast Bronze ASTM B 584
Elbows	Cast Bronze ASTM B 584
Fasteners	Stainless Steel, 300 Series
Elastomers	Silicone (FDA approved) Buna Nitrile (FDA approved)
Polymers	Noryl™, NSF Listed
Springs	Stainless steel, 300 series

ACCESSORIES

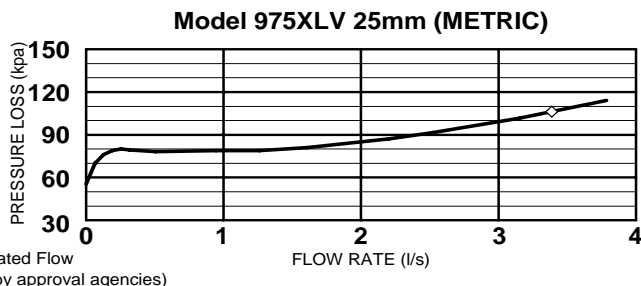
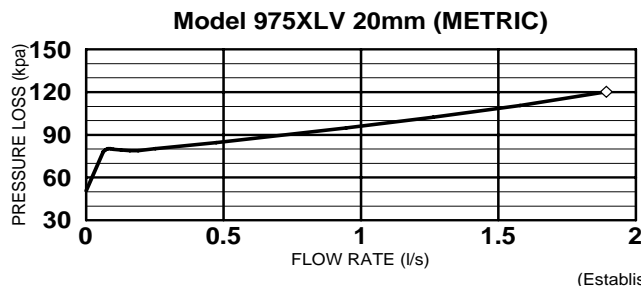
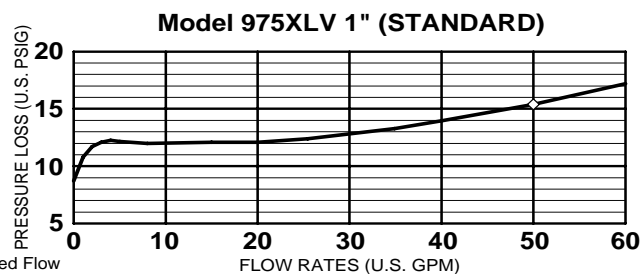
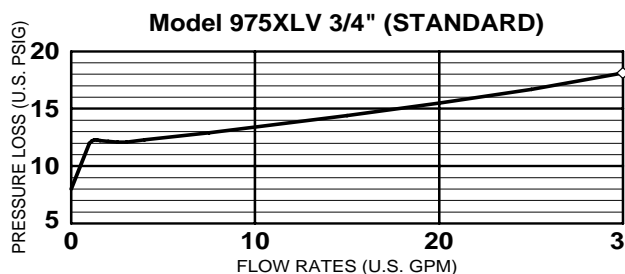
- ☐ Air gap (Model AG)
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model WXTP)
- ☐ Soft seated check valve (Model 40)
- ☐ Shock arrester (Model 1250)



DIMENSIONS & WEIGHTS (do not include pkg.)

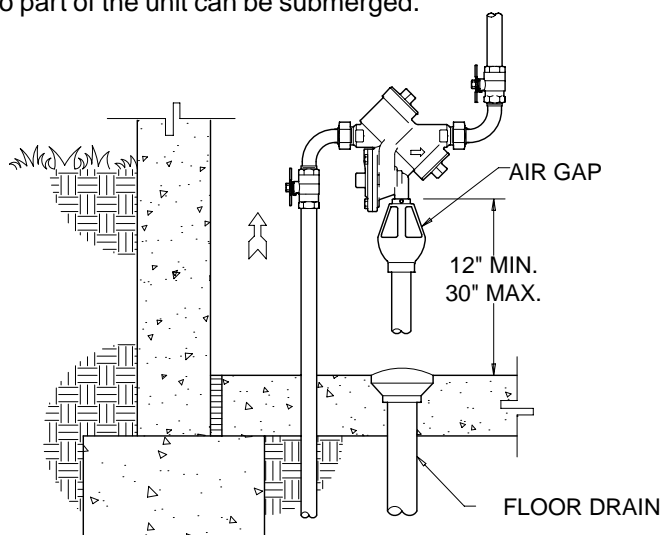
MODEL SIZE	DIMENSIONS (INCHES)					WEIGHT (LBS)
	A	B	C	D	E	
3/4"	12.25	2.10	3.00	4.75	5.00	14.0
1"	12.25	2.10	3.00	5.00	5.25	16.0

FLOW CHARACTERISTICS



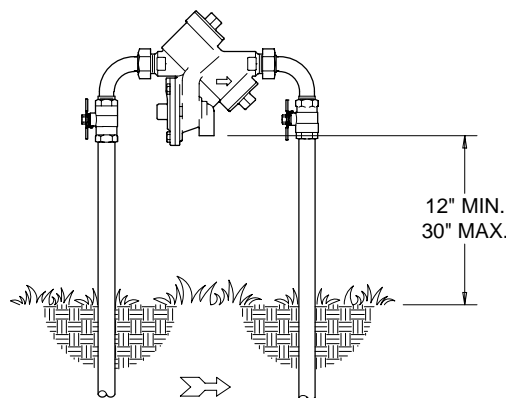
TYPICAL INSTALLATION

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.



INDOOR VERTICAL INSTALLATION

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 HORIZONTAL INSTALLATION

SPECIFICATIONS

The reduced pressure principle backflow preventer shall be ASSE 1013 approved, rated to 180°F and supplied with 90° union elbows and full port ball valves. The main body, access covers and elbows 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 first and second check valves shall be 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 adapter, and piped to a properly sized drain. The reduced pressure principle backflow preventer shall be a WILKINS Model 975XLV.