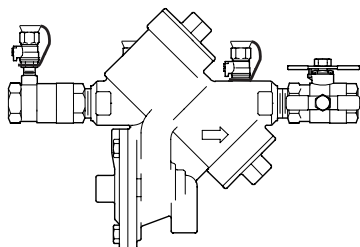


Model 975XLTCU

Reduced Pressure Principle Assembly



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" ☐ 1 1/4" ☐ 1 1/2" ☐ 2"

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
(APPLIES TO MODEL 975XL)**

- ☐ ASSE® Listed 1013
- ☐ IAPMO® Listed
- ☐ UL® Classified (less shut-off valves or with OS&Y valves)
- ☐ C-UL® Classified (less shut-off valves or with OS&Y valves)
- ☐ CSA® Certified
- ☐ AWWA Compliant
- ☐ 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)
- ☐ L - less ball valves
- ☐ U - with union ball valves
- ☐ MS - with integral relief valve monitor switch
- ☐ S - with bronze "Y" type strainer
- ☐ BMS - with battery operated monitor switch
- ☐ FT - with integral male 45° flare SAE test fitting

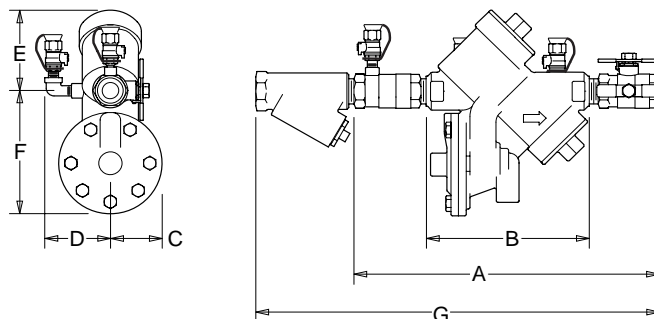
MATERIALS

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

ACCESSORIES

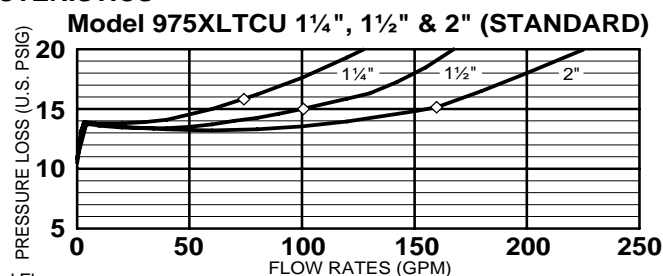
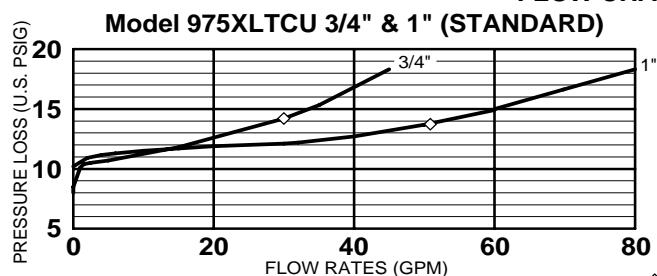
- ☐ Air gap (Model AG)
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model WXTP)
- ☐ Soft seated check valve (Model 40)
- ☐ Shock arrester (Model 1250)
- ☐

DIMENSIONS & WEIGHTS (do not include pkg.)

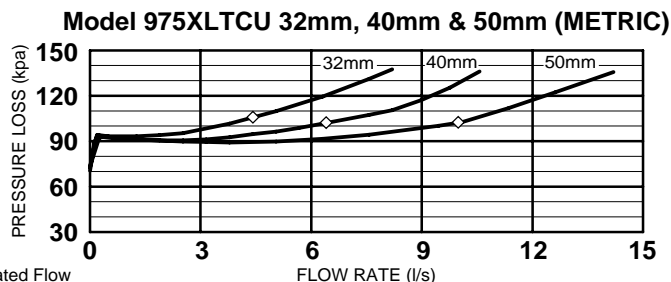
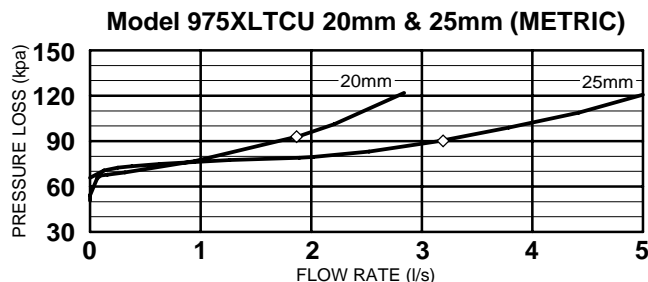


MODEL SIZE	DIMENSIONS (INCHES)								WEIGHT (LBS)	
	A	A UNION BALL VALVES	B LESS BALL VALVES	C	D	E	F	G	LESS BALL VALVES	WITH BALL VALVES
3/4"	12.00	14.00	7.75	2.10	3.00	3.50	5.00	15.75	10.0	12.0
1"	13.00	14.25	7.75	2.10	3.00	3.50	5.00	17.75	10.0	13.0
1 1/4"	17.00	19.00	10.92	2.70	3.50	5.00	6.70	22.00	22.0	26.0
1 1/2"	17.40	20.00	10.92	2.70	3.50	5.00	6.70	23.14	22.0	26.0
2"	18.50	21.25	10.92	2.70	3.50	5.00	6.70	25.50	22.0	33.0

FLOW CHARACTERISTICS



◇ Rated Flow
(Established by approval agencies)

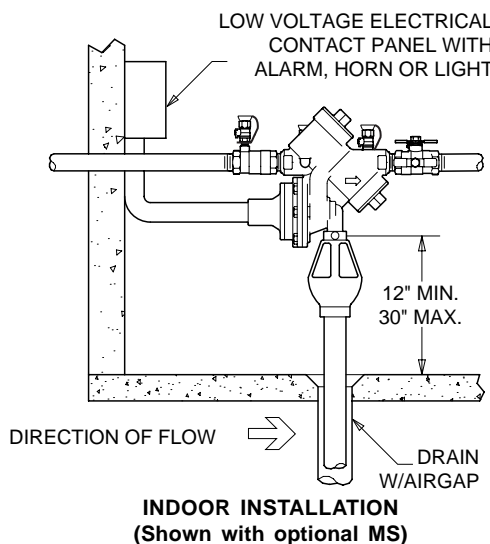
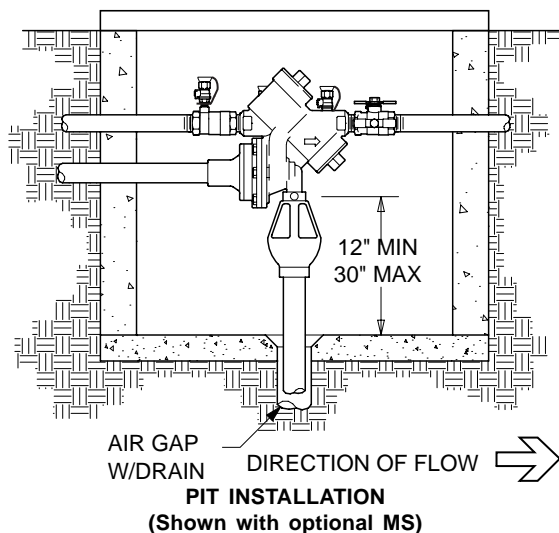


◇ Rated Flow
(Established by approval agencies)

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



SPECIFICATIONS

The reduced pressure principle backflow preventer shall be ASSE® 1013 Listed, 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 first and second checks shall be accessible for maintenance without disassembling the relief valve or the entire device from the line. If installed indoors, the installation shall be supplied with an air gap adapter, integral monitor switch and appropriate drain. The reduced pressure principle backflow preventer shall be a WILKINS Model 975XLTCU.