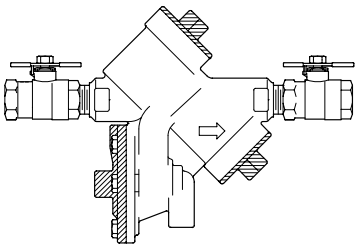
WILKINS
A ZURN COMPANY

Model 975XLP

Reduced Pressure Principle Assembly



APPLICATION

Designed for installation on tertiary reclaimed water systems. To protect against both backsiphonage and backpressure of contaminated liquid into the water supply. Assembly shall provide protection where a potential health hazard exists.

FEATURES

Sizes: ❑ 3/4" ❑ 1" ❑ 1¼" ❑ 1½" ❑ 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

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
- ❑ TCU - with test cocks up
- ❑ FT - with integral male 45° flare SAE test fitting

ACCESSORIES

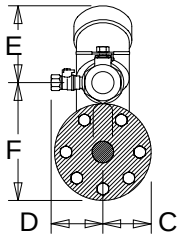
- ❑ Air gap (Model AG)
- ❑ Repair kit (rubber only)
- ❑ Thermal expansion tank (Model WXTP)
- ❑ Soft seated check valve (Model 40)
- ❑ Shock arrester (Model 1250)
- ❑

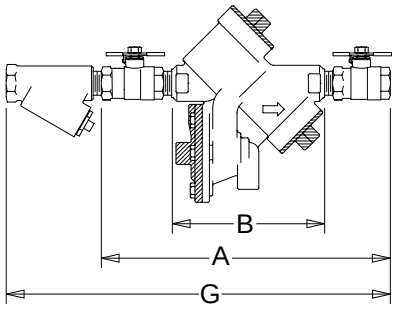
STANDARDS COMPLIANCE (APPLIES TO MODEL 975XL)

- ❑ ASSE® Listed 1013
- ❑ IAPMO® Listed
- ❑ UL® Classified (less shut-off valves or with OS&Y valves)
- ❑ C-UL® Classified
- ❑ CSA® Certified
- ❑ AWWA Compliant
- ❑ Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- ❑ City of Los Angeles Approved

MATERIALS

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





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

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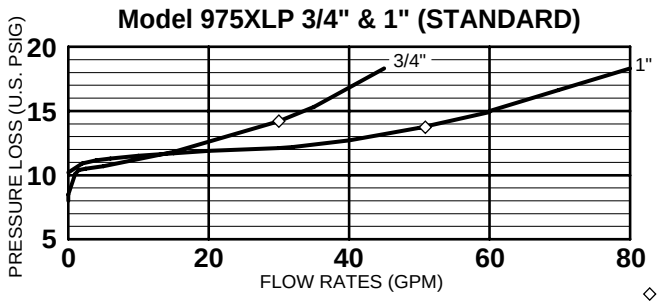
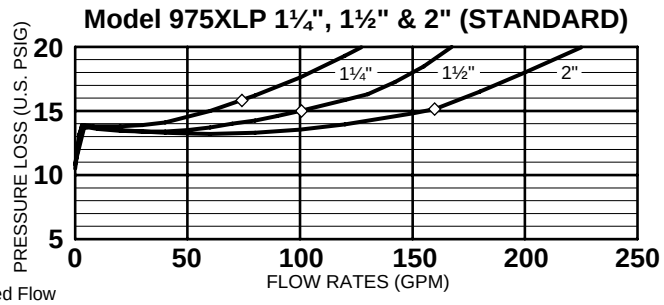
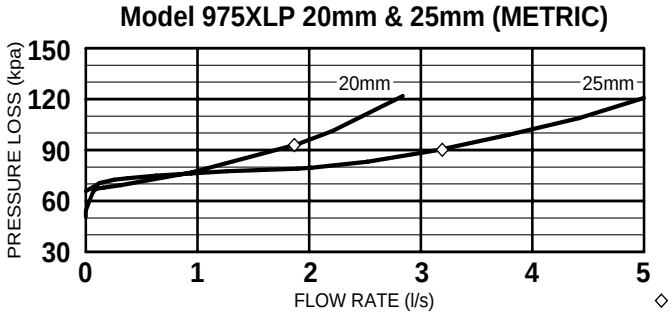
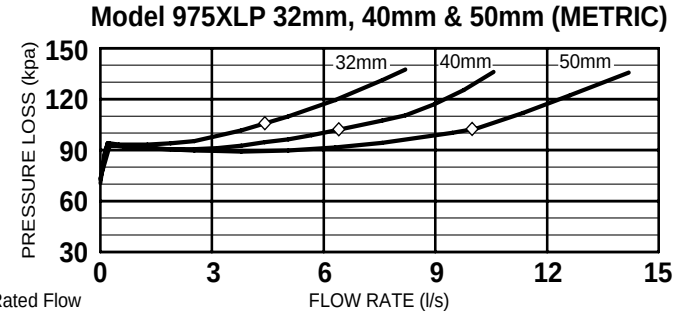
FLOW CHARACTERISTICS





◇ Rated Flow
(Established by approval agencies)





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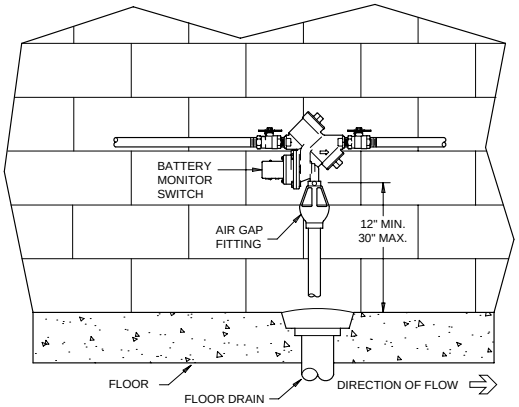
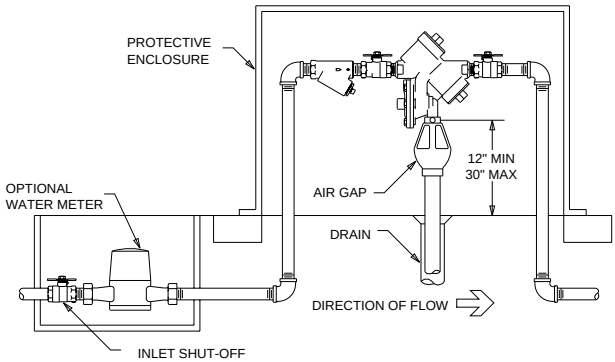
TYPICAL INSTALLATION

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



INDOOR INSTALLATION
(Shown w/optional BMS)



OUTDOOR INSTALLATION

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. All access covers shall be purple fusion epoxy coated. The first and second checks 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, adequate drain and integral monitor switch. The reduced pressure principle backflow preventer shall be a WILKINS Model 975XLP.

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