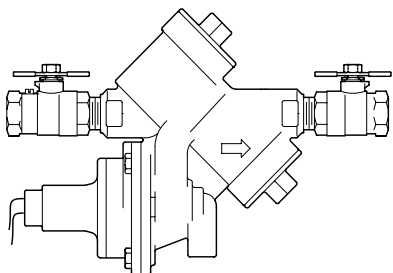


Model 975XLMS

Reduced Pressure Principle Assembly
with Integral Relief Valve Monitor Switch
(Patent No. 5,425,393)



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
Switch contact rating 3A @ 24VAC

UL® recognized switch factory installed. Supplied with normally open contacts, weather resistant housing & wiring leads. Ready for immediate installation to appropriate electrical circuit.

OPTIONS

(Suffixes can be combined)

- ☐ - with full port QT ball valves (standard)
- ☐ L - less ball valves
- ☐ U - with union ball valves
- ☐ S - with bronze "Y" type strainer

ACCESSORIES

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

APPLICATION

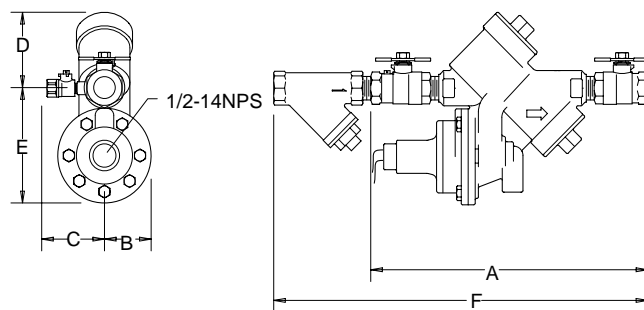
Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. Assembly shall provide protection where a potential health hazard exists. In the event of a backflow condition, the relief valve closes an electrical contact on the MS switch, signaling that a possible relief valve discharge may be occurring. The 975XLMS is ideal for use in mechanical rooms, basements and enclosures where undetected relief valve discharge could potentially cause water damage.

STANDARDS COMPLIANCE

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

MATERIALS

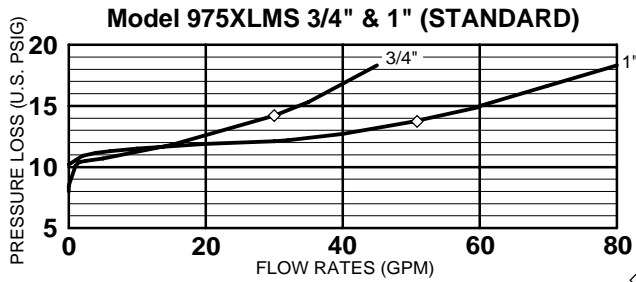
Main valve body Cast Bronze ASTM B 584
Access covers Cast Bronze ASTM B 584
Fasteners Stainless Steel, 300 Series
Elastomers Silicone (FDA approved)
Buna Nitrile (FDA approved)
Polymers Noryl™, NSF Listed
Springs Stainless Steel, 300 series
Switch cover Aluminum



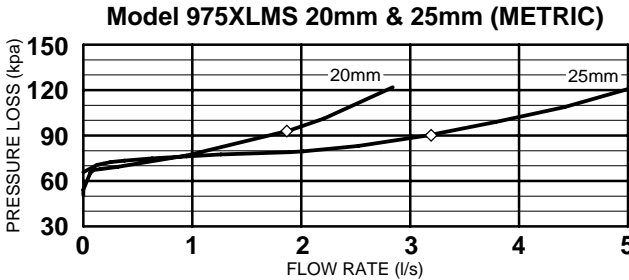
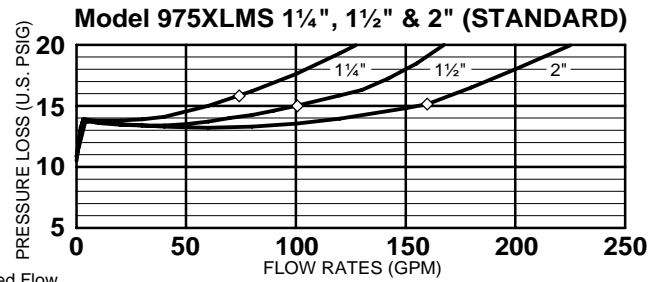
DIMENSIONS & WEIGHTS (do not include pkg.)

MODEL SIZE	DIMENSIONS (INCHES)								WEIGHT (LBS)	
	A	A UNION BALL VALVES	A LESS BALL VALVES	B	C	D	E	F	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	11.0	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

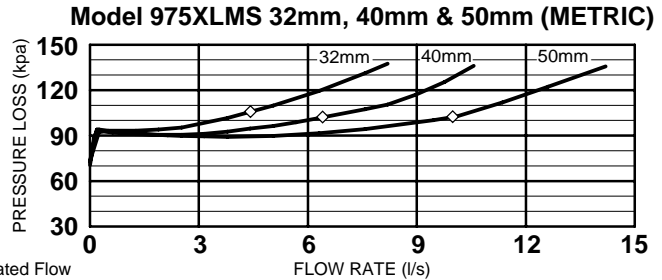
FLOW CHARACTERISTICS



◇ Rated Flow
(Established by approval agencies)



◇ Rated Flow
(Established by approval agencies)

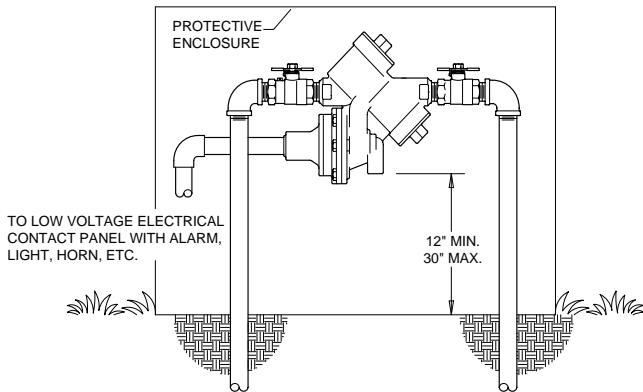


TYPICAL INSTALLATION

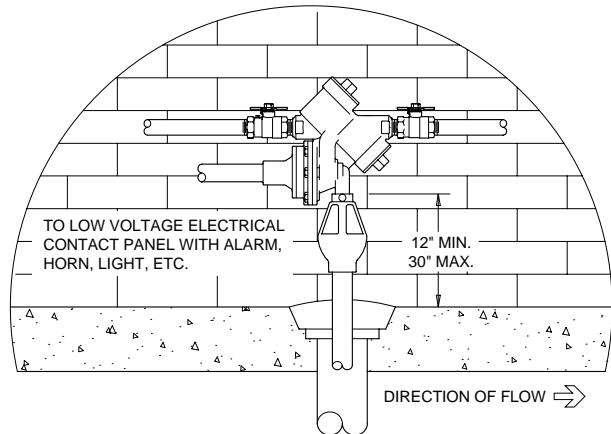
Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate 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



OUTDOOR INSTALLATION



INDOOR INSTALLATION

SPECIFICATIONS

The reduced pressure principle backflow preventer shall be ASSE® 1013 Listed, rated to 180°F and supplied with full port ball valves and an integral relief valve monitor switch. The checks shall be accessible for maintenance without removing the valve 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 assembly with integral relief valve monitor switch shall be a WILKINS Model 975XLMS.