

### Application

Ideal where Lead-Free\* valves are required. 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 375AMS is ideal for use in mechanical rooms, basements and enclosures where undetected relief valve discharge could potentially cause water damage.

### Standards Compliance

For Standards see BF-375A (with MS Option)

- Meets the requirements of NSF/ANSI 61\*

\* (0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

### Materials

Main valve body	Ductile Iron ASTM A 536
Access covers	Ductile Iron ASTM A 536
Coatings	NSF Approved electrostatic epoxy finish
Internals	Stainless steel, 300 Series NORYL™
Fasteners & Springs	Stainless Steel, 300 Series
Seal rings	EPDM (FDA approved)
O-rings	Buna Nitrile (FDA approved)
Sensing line	Stainless Steel, braided hose
Switch Cover	Nylon, UV resistant, glass filled

### Features

Sizes: 2 1/2", 3", 4", 6", 8", 10"  
 Maximum working water pressure 175 PSI  
 Maximum working water temperature 140°F  
 Hydrostatic test pressure 350 PSI  
 End connections (Grooved for steel pipe) AWWA C606  
 (Flanged) ANSI B16.1 Class 125  
 Switch contact rating 0.4A @ 24VAC  
 Completely sealed proximity switch factory installed. Supplied with normally open contacts, weather resistant housing & wiring leads. Ready for immediate installation to appropriate electrical circuit.

### Dimensions & Weights (do not include pkg.)

MODEL 375AMS SIZE	WEIGHT												
	WITHOUT GATES		WITH NRS GATES (GXF)		WITH OS&Y GATES (GXF)		WITH NRS GATES (GXG)		WITH OS&Y GATES (GXG)		WITH BUTTERFLY VALVES (GXG)		
in.	mm	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
2 1/2	65	97	44	191	87	199	90	183	83	191	87	116	53
3	80	96	43.5	211	96	217	98	201	91	207	94	117	53
4	100	83	38	227	103	237	108	201	91	211	96	115	52
6	150	136	62	356	162	372	169	326	148	342	155	188	85
8	200	305	139	757	344	781	355	757	344	757	344	413	188
10	250	358	162	985	447	1043	473	863	391	921	418	530	241

MODEL 375AMS SIZE	DIMENSION (approximate)																								
	A		A WITH BUTTERFLY V.		B LESS GATE VLVS.		C		D		E OS&Y OPEN		E OS&Y CLOSED		E NRS GATE		E WITH BUTTERFLY V.		F		G		H		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
2 1/2	65	35 1/8	892	32 1/8	816	20 1/8	511	4 1/2	114	7 1/4	184	16 3/8	416	13 7/8	352	11 3/8	289	8	203	11	279	45 5/8	1159	7 1/4	184
3	80	36 1/8	918	33	838	20 1/8	511	4 1/2	114	7 1/4	184	18 7/8	479	15 5/8	397	12 3/8	314	8	203	11	279	46 7/8	1191	7 1/4	184
4	100	38 1/4	972	33 1/4	845	19 7/8	505	4 1/2	114	8	203	22 3/4	578	18 1/4	464	14 3/4	375	9 1/8	232	11	279	53 3/8	1356	7 1/4	184
6	150	47 1/4	1200	40 1/4	1022	25 7/8	657	5 1/2	140	10	254	30 1/8	765	23 3/4	603	19	483	10 1/8	257	12 3/8	314	65 3/8	1661	9 1/4	235
8	200	62	1575	55	1397	38 1/2	978	10	254	11	279	37 3/4	959	29 1/4	743	22 1/2	572	11 15/16	303	15 3/8	391	86 3/8	2194	13 7/8	333
10	250	64 5/8	1641	58 1/2	1485	38 1/2	978	10	254	12	305	45 3/4	1162	35 3/8	899	26 1/2	673	13 5/16	338	15 3/8	391	94 1/8	2391	16 7/16	418



### Options

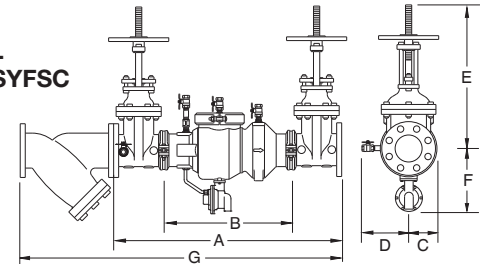
(Suffixes can be combined)

- with flanged end NRS gate valves (standard)
- FSC - with epoxy coated wye type strainer (flanged only)
- G - with grooved end NRS gate valves
- GF - with grooved inlet gate connection and flanged outlet gate connection
- FG - with flanged inlet gate connection and grooved outlet gate connection
- L - less shut-off valves (grooved body connections)
- OSY - with flanged end OS&Y gate valves
- OSYG - with grooved end OS&Y gate valves
- BGVIC - with grooved end butterfly valves with integral supervisory switches
- PI - with Post Indicator Gate Valve
- 509 - with AWWA C509 gate valves

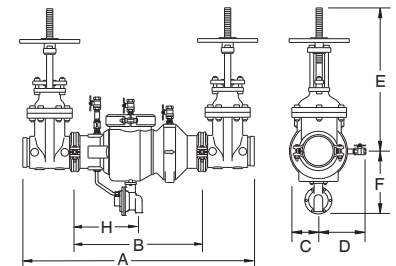
### Accessories

- Repair kit (rubber only)
- Thermal expansion tank (Model XT)
- OS & Y Gate valve tamper switch (OSY-40)
- Air gap (Model AG)
- Electronic Solenoid Timer (Model EST)
- QT-SET Quick Test Fitting Set

MODEL 375AOSYFSC

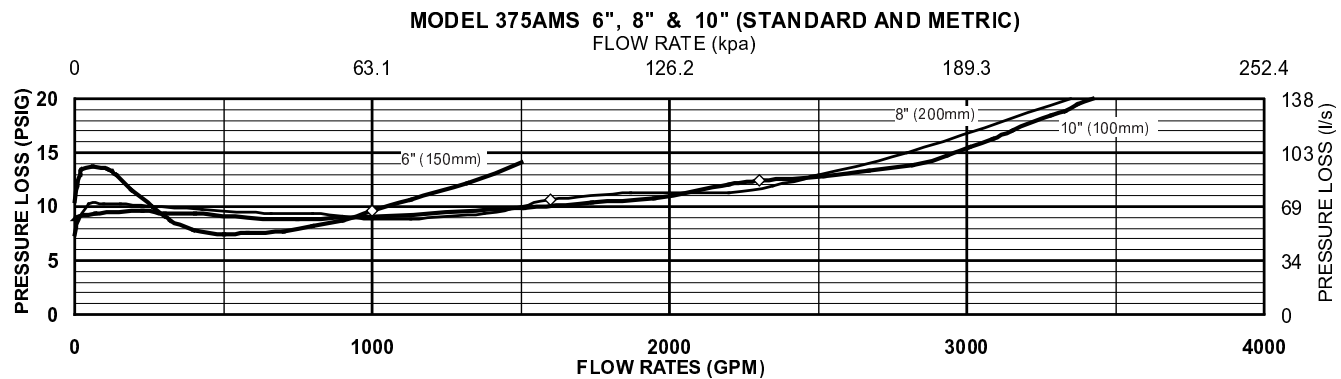
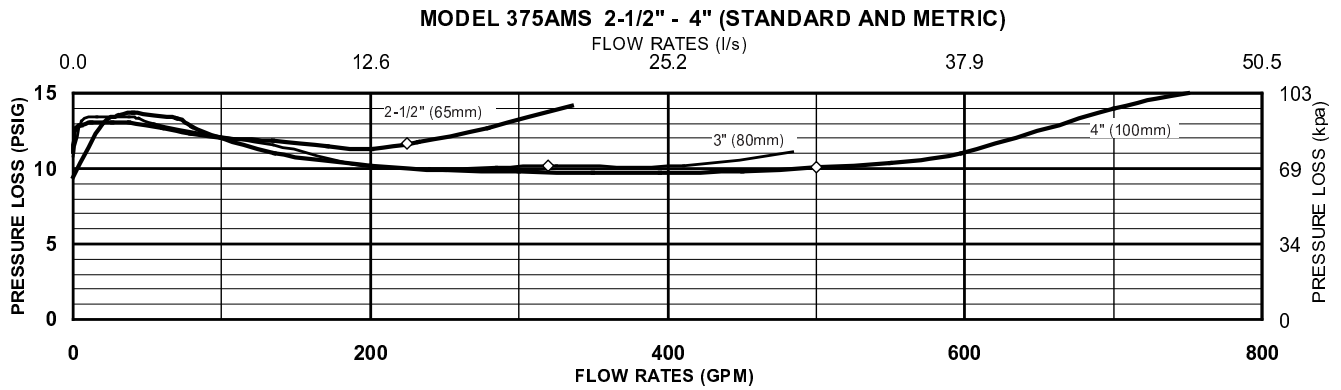


MODEL 375AOSYG



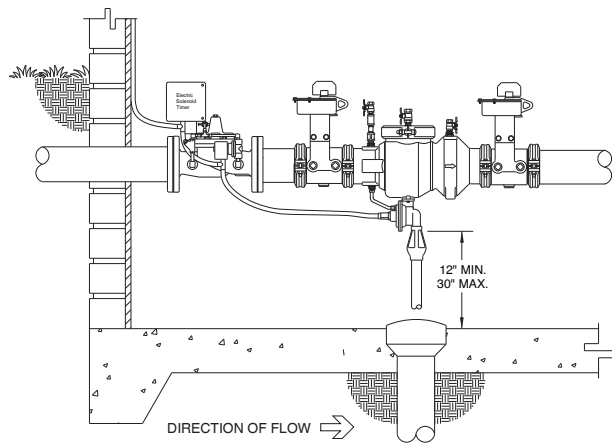
Relief Valve discharge port:  
 2 1/2" - 6" - 2.75 sq. in.  
 8" - 10" - 3.69 sq. in.

Attention:  
 Model 375A (grooved body) and Model 375 (flange body) have different lay lengths.



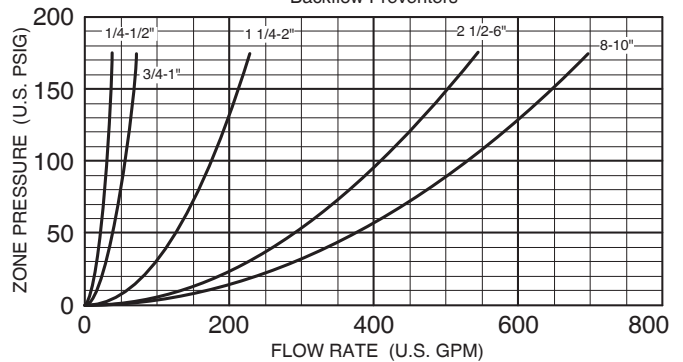
**Typical Installation**

Local codes shall govern installation requirements. 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.



**Relief Valve Discharge Rates**

(Worst case condition- If 1st check or relief valve is lodged wide open)  
Model 375, 475 & 975 RP & RPDA  
Backflow Preventers



**Switch Operation**

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 375AMS is ideal for use in mechanical rooms, basements and enclosures where undetected relief valve discharge could potentially cause water damage. A drain Must still be provided.

**Indoor Installation 375ABGVICMS (with ZW206 Solenoid Control Valve and EST Electric Solenoid Timer)**

**Specifications**

The Reduced Pressure Principle Backflow Prevention Assembly shall be Certified to NSF/ANSI 61, ASSE® Listed 1013, and supplied with full port gate valves. The main body and access cover shall be epoxy coated ductile iron (ASTM A 536), the seat ring and check valve shall be NORYL™, the stem shall be stainless steel (ASTM A 276) and the seat disc elastomers shall be EPDM. The checks and the relief valve shall be accessible for maintenance without removing the device from the line. The Reduced Pressure Principle Backflow Prevention Assembly shall be a ZURN WILKINS Model 375AMS.