

Application

Designed for drop-in replacement of existing longer lay length assemblies without the need for additional spools or spacers, saving 2 to 6 hours of installation labor and up to 2 machine hours per backflow replacement. A custom sized grooved spool installed between the backflow body and downstream shut-off valve allows customer specified assembly lengths to be shipped directly from the factory. Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. The Model 375AR provides protection where a potential health hazard exists.

Standards Compliance

- ASSE® Listed 1013
 - AWWA Compliant C511 (with gates only), and C550
 - IAPMO® Listed
 - UL® Classified
 - CSA® Certified
 - C-UL® Classified
 - FM® Approved
 - Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
 - NSF® Listed-Standard 61, Annex G*
 - Certified to NSF/ANSI 372* by IAPMO R&T
- *(0.25% max. weighted average lead content)

Materials

Main valve body	Ductile Iron ASTM A 536 Grade 4
Access covers	Ductile Iron ASTM A 536 Grade 4
Coatings	FDA Approved electrostatic epoxy finish
Internals	Stainless steel, 300 Series
	NORYL™, NSF Listed
Fasteners & Springs	Stainless Steel, 300 Series
Seal rings	EPDM (FDA approved)
O-rings	Buna Nitrile (FDA approved)
Sensing line	Stainless Steel, braided hose

Dimensions & Weights (do not include pkg.)

MODEL 375AR SIZE		WEIGHT W/MAX SPOOL LENGTH			
		WITH NRS GATES (GXF)		WITH OS&Y GATES (GXF)	
in.	mm	lbs.	kg	lbs.	kg
2 1/2	65	197	89	205	93
3	80	219	99	225	102
4	100	249	113	259	117
6	150	394	179	410	186
8	200	814	369	838	380
10	250	1106	502	1164	528

MODEL 375AR SIZE	DIMENSION (approximate)											
	A		B	C	D	E OS&Y OPEN	E OS&Y CLOSED	E NRS GATE	F	G SPOOL LENGTH in.		H
	in.		in.	in.	in.	in.	in.	in.	in.	min	max	in.
	min	max										
2 1/2	37 1/4	47 1/8	20 1/8	4 1/2	7 1/4	16 3/8	13 7/8	11 3/8	11	2 1/8	12	7 1/4
3	38 1/4	48 1/8	20 1/8	4 1/2	7 1/4	18 7/8	15 5/8	12 3/8	11	2 1/8	12	7 1/4
4	40 1/2	62 1/4	19 7/8	4 1/2	8	22 3/4	18 1/4	14 3/4	11	2 1/4	24	7 1/4
6	49 1/2	71 1/4	25 7/8	5 1/2	10	30 1/8	23 3/4	19	12 3/8	2 1/4	24	9 1/4
8	64 7/8	86	38 1/2	10	11	37 3/4	29 1/4	22 1/2	15 3/8	2 7/8	24	13 7/8
10	67 3/8	100 5/8	38 1/2	10	12	45 3/4	35 3/8	26 1/2	15 3/8	2 3/4	36	16 7/16



PATENT PENDING



Options

(Suffixes can be combined)

- ☐ - with flanged end NRS gate valves (standard)
- ☐ MS - with Integral Relief Valve Monitor Switch
- ☐ OSY - with flanged end OS&Y gate valves
- ☐ PI - Post Indicator gate Valve

Accessories

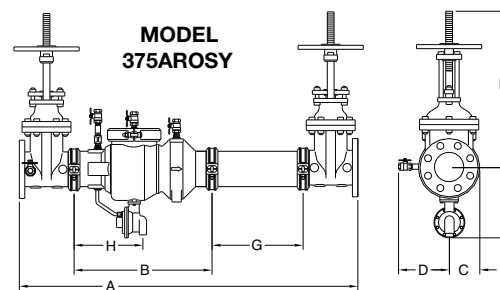
- ☐ Repair kit (rubber only)
- ☐ OS & Y Gate valve tamper switch (OSY-40)
- ☐ Air gap (Model AG)
- ☐ Electronic Solenoid Timer (Model EST)
- ☐ QT-SET Quick Test Fitting Set

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 - Flanged	ANSI B16.1
	Class 125

*2 1/2" & 3" sizes use 4" body & reducer couplings



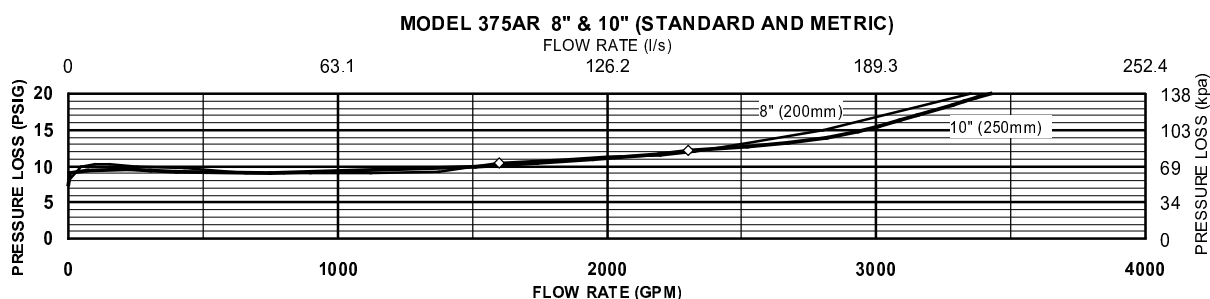
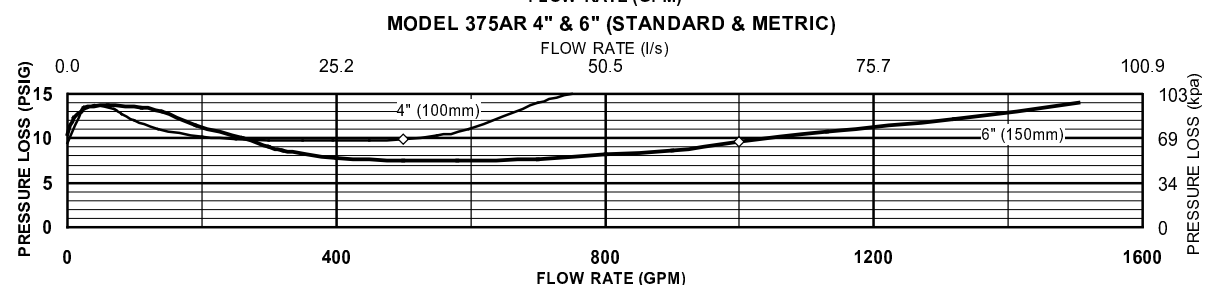
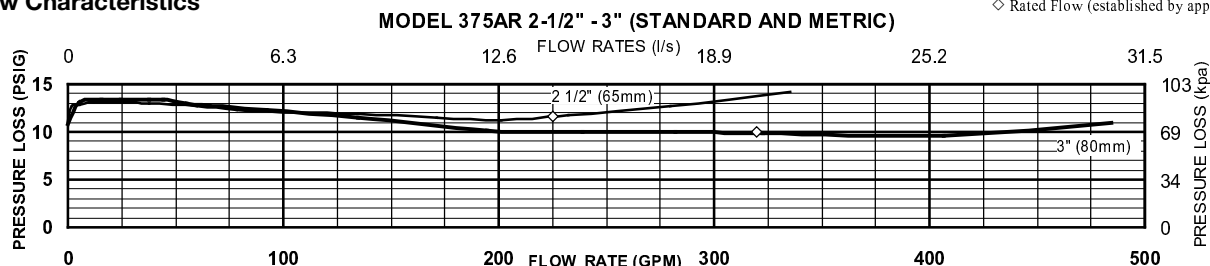
Relief Valve

discharge port:

2 1/2" - 6" - 2.75 sq. in.
8" - 10" - 3.69 sq. in.

Flow Characteristics

◇ Rated Flow (established by approval agencies)



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.

Order Configuration

- Exact in field measurements are required when ordering the assembly. Please have the assembly length ready when ordering.
- All assemblies are custom made to order and all sales are final.
- Lead time is approximately one week.

Generic part number used for ordering:

X-375AR*-Y

where X= NOMINAL VALVE SIZE (212 REPRESENTS 2-1/2")
Y= ASSEMBLY LENGTH SUFFIX: choose A-C from table at right (exact in field measurements must be given to customer service representative)

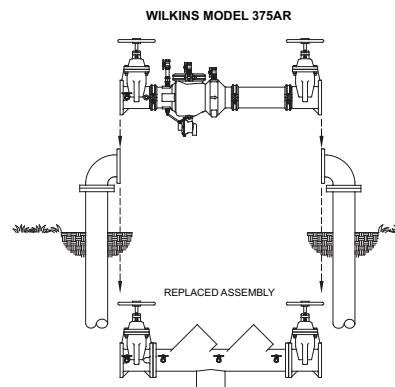
*= ADDED OPTIONS (use suffixes designated in OPTIONS section on previous page)

Example

To order a 4" Model 375AR with OS&Y gate valves and an assembly length of 52 3/8", the part number would be 4-375AROSY-B. The length of 52 3/8" would be given to Customer Service.

Specifications

The Reduced Pressure Principle Backflow Prevention Assembly shall be Certified to NSF/ANSI 372, 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 Grade 4), the seat ring and check valve shall be NORLYL™, 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 used for all backflow replacements shall be a ZURN WILKINS Model 375AR.



ASSEMBLY LENGTH SUFFIX						
NPS	A		B		C	
	Size Range From	To	Size Range From	To	Size Range From	To
2-1/2"	37 1/4"	47 1/8"				
3	38 1/4"	48 1/8"				
4	40 1/2"	50"				
6	49 1/2"	59"				
8"	64 7/8"	74"				
10"	67 3/8"	77"	77 1/16"	89"	89 1/16"	100 5/8"