

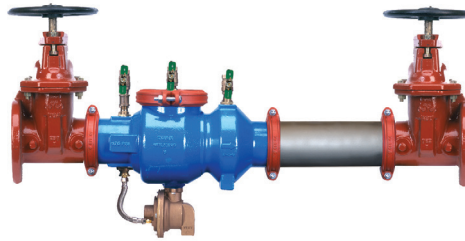


Model 375AR

Replacement Reduced Pressure Principle Assembly

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.



NSF/ANSI/CAN 61

Standards Compliance

- ASSE® Listed 1013
- AWWA Compliant C511 (with gates only), and C550
- cUPC® Listed
- UL® Classified
- CSA® Certified B64.4
- C-UL® Classified
- FM® Approved
- Approved by the Foundation for Cross Connection
- Control and Hydraulic Research at the University of Southern California
- Meets the requirements of NSF/ANSI/CAN 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

Options

(Suffixes can be combined)

- ☐ - with flanged end NRS gate valves (standard)
- ☐ 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)
- ☐ 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

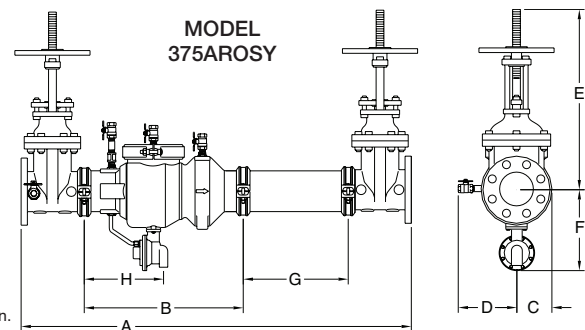
Class 125

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

Dimensions & Weights (do not include pkg.)

MODEL 375AR SIZE	WEIGHT WITH MAX SPOOL LENGTH											
	NRS GATE VALVES FLANGED		NRS GATE VALVES GROOVED		OS&Y GATE VALVES FLANGED		OS&Y GATE VALVES GROOVED		BUTTERFLY VALVES FLANGED		BUTTERFLY VALVES GROOVED	
	in.	mm	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
2 1/2	65		197	89	187	85	205	93	193	88	187	85
3	80		219	99	207	94	225	102	213	97	191	87
4	100		249	113	229	104	259	117	239	108	203	92
6	150		394	179	370	168	410	186	386	175	300	136
8	200		814	369	776	352	838	380	800	363	694	315
10	250		1106	502	1052	477	1164	528	1110	503	902	409

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



MODEL 375AR SIZE	DIMENSION (approximate)																																								
	A WITH GATE VALVES						A WITH BUTTERFLY VALVES						B		C		D		E OS&Y OPEN		E OS&Y CLOSED		E WITH BUTTERFLY VALVES		F		G SPOOL LENGTH						H								
	in.			mm			in.			mm			in.		mm		in.		mm		in.		mm		in.		mm		in.		mm		in.		mm						
	in.	mm		min	max		min	max		min	max		min	max		min	max		min	max		min	max		min	max		min	max		min	max		min	max		min	max		in.	mm
2 1/2	65		37 1/4	47 1/8	946	1197		34 1/4	44 1/8	870	1121		20 1/8	511		4 1/2	114	4 1/2	114	17 3/4	451		15 3/8	391		8 1/4	210		11	279		2 1/8	12	54	305		7 1/4	184			
3	80		38 1/4	48 1/8	972	1222		34 3/4	44 5/8	883	1133		20 1/8	511		4 1/2	114	4 1/2	114	20 1/4	514		17	432		8 1/2	216		11	279		2 1/8	12	54	305		7 1/4	184			
4	100		40 1/2	62 1/4	1029	1581		35 3/4	57 1/2	908	1461		19 7/8	505		4 1/2	114	4 1/2	114	22 1/2	572		18 1/4	464		9	229		11	279		2 1/4	24	57	610		8	203			
6	150		49 1/2	71 1/4	1257	1810		42 1/2	64 1/4	1080	1632		25 7/8	657		5 1/2	140	5 1/2	140	30 1/2	775		24 1/4	616		10 1/4	260		12 3/8	314		2 1/4	24	57	610		10	254			
8	200		64 7/8	86	1648	2184		57 7/8	79	1470	2007		38 1/2	978		10	254	10	254	37	940		28 1/2	724		12	305		15 3/8	391		2 7/8	24	73	610		11	279			
10	250		67 3/8	100 5/8	1711	2556		61 7/8	94 5/8	1572	2403		38 1/2	978		10	254	10	254	45 5/8	1159		34 3/4	883		13	330		15 3/8	391		2 3/4	36	70	914		12	305			

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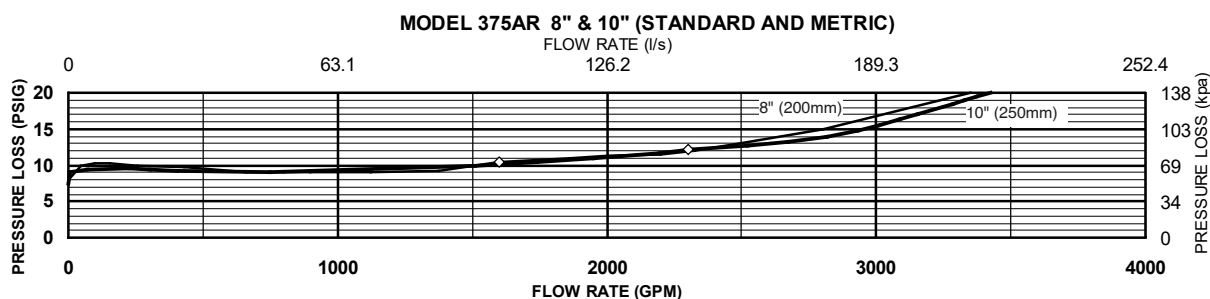
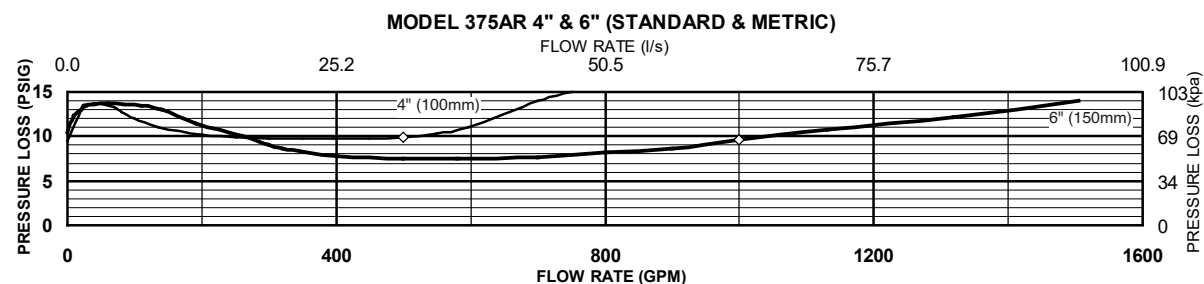
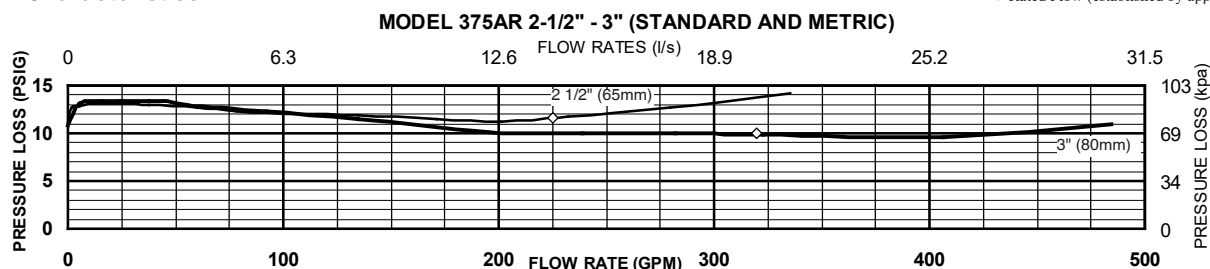
Rev. K

Date: 05/23

Document No. BF-375AR

Product No. Model 375AR

Patent zurn.com/patents



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:

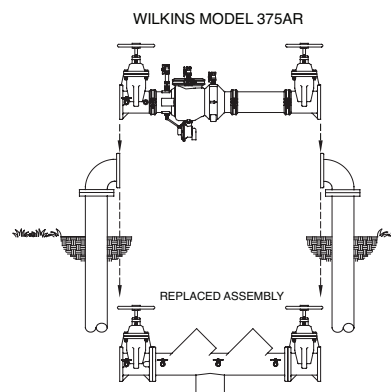
X-375AR*-A

where X= NOMINAL VALVE SIZE (212 REPRESENTS 2-1/2")

*= 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-A. The length of 52 3/8" must be given to Customer Service.



VALVE SIZE	MINIMUM FACE TO FACE DIMENSIONS (OVERALL LAY LENGTH)		MAXIMUM LENGTHS
	DUCTILE IRON GROOVED BODY		
	GATE VALVES	BUTTERFLY VALVES	
2-1/2"	37-1/8"	34-1/8"	47-1/8"
3"	38-1/8"	34-5/8"	48-1/8"
4"	40-1/2"	35-3/4"	62-1/4"
6"	49-1/2"	42-1/2"	71-1/4"
8"	64-7/8"	57-7/8"	86"
10"	67-3/8"	61-7/8"	100-5/8"

Specifications

The Reduced Pressure Principle Backflow Prevention Assembly shall be Certified to NSF/ANSI/CAN 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 used for all backflow replacements shall be a ZURN WILKINS Model 375AR.