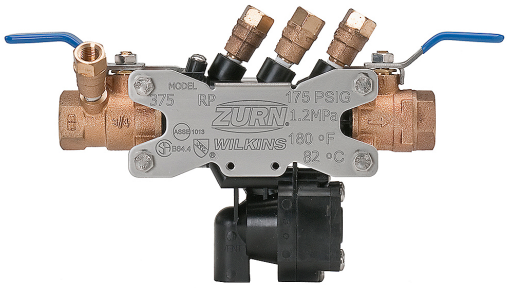
Model 375 (1/2" - 2")

Backflow Preventer - Reduced Pressure Principle Assembly with Replaceable Pressure Vessel, Non-Potable

TAG

Application

Designed for installation on irrigation 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. For non-potable applications only.



3/4" 375

Standards Compliance

- ASSE® Listed 1013
- cUPC® Listed
- CSA® Certified B64.4
- AWWA Compliant C511
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California

Materials

Ball Valves	Cast Bronze ASTM B584
Elastomers	Silicone
	Buna Nitrile
Fasteners	300 series Stainless Steel
Housing	Reinforced Nylon
Internals	Nylon
	Delrin®
Springs	300 series Stainless Steel
Struts	300 series Stainless Steel

Features

Sizes 1/2", 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) FNPT	ANSI B1.20.1

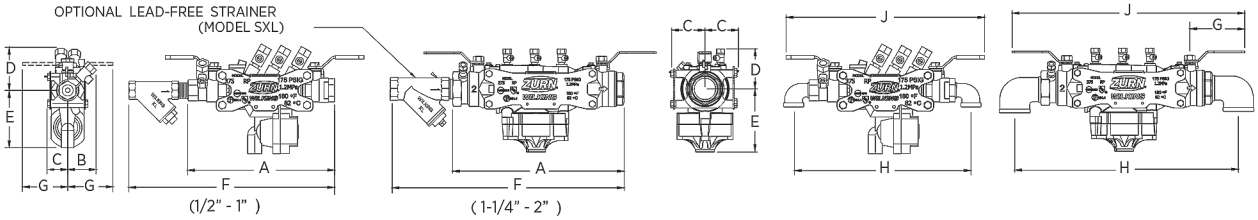
Options (Suffixes can be combined)

	With full port QT ball valves (standard)
SE	With street elbows
FT	With integral male 45° flare SAE test fitting
S	With lead free bronze wye strainer
SAG	With bronze wye strainer and air gap
AG	With air gap

Accessories

- Repair Kits (1/2"-1")
- Repair Kits (1-1/4" - 2")
- Water Hammer Arrestor 1260XL
- In-Line Single Check Valve 40XL2
- Thermal Expansion Tank XT
- 3/4" 375 Blowout/Flush Fitting RK34-375BOF
- 1" 375 Blowout/Flush Fitting RK1-375BOF
- Quick Test Fitting Set QT-SET
- 1-1/4"-2" Blowout/Flush Fitting **RK114-350-375BOF**

MODELS 375SE



Dimensions & Weights (do not include pkg.)

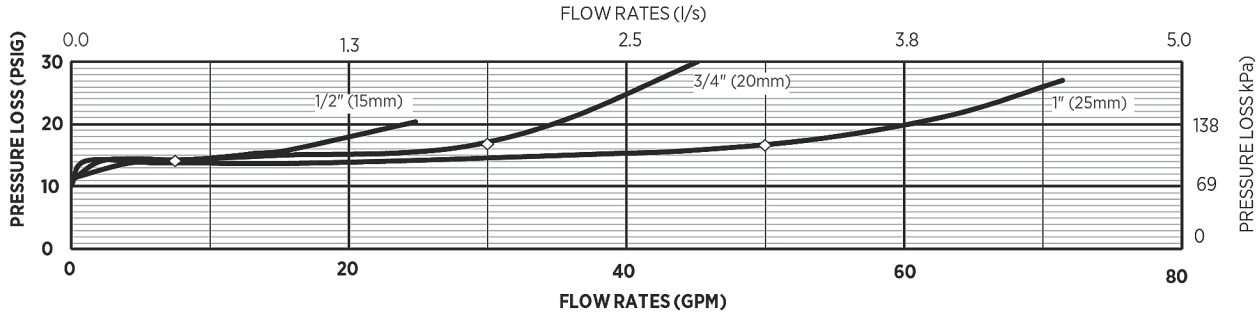
MODEL 375 SIZE		DIMENSIONS (approximate)																				WEIGHT			
		A		A LESS BALL VALVES		B		C		D		E		F		G		H		J		LESS BALL VALVES		WITH BALL VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg
1/2	20	8 7/8	225	N/A	N/A	1 15/16	49	1 3/8	35	2 15/16	75	3 7/8	98	12 1/4	311	3	76	10 7/8	276	12 1/4	311	N/A	N/A	5.7	2.6
3/4	20	8 7/8	225	7 1/8	181	1 15/16	49	1 3/8	35	2 15/16	75	3 7/8	98	12 5/8	321	3	76	11	279	12 1/4	311	4.7	2.1	5.7	2.6
1	25	11 3/16	284	8 7/8	225	2 1/4	57	1 13/16	46	3 7/16	87	4	102	14 9/16	370	4	102	13 3/4	349	15 1/4	387	8.2	3.7	9.7	4.4
1-1/4	32	14 7/8	378	N/A	N/A	3 3/8	86	3 1/8	80	3 3/4	95	5 3/4	146	20 1/2	521	3 3/4	95	18	457	18 1/2	470	N/A	N/A	20.5	9.3
1-1/2	40	15 1/4	387	N/A	N/A	3 3/8	86	3 1/8	80	3 3/4	95	5 3/4	146	22	559	4 1/2	114	18 3/4	476	20 1/4	514	N/A	N/A	21.5	9.8
2	50	16	406	N/A	N/A	3 3/8	86	3 1/8	80	3 3/4	95	5 3/4	146	24	610	4 3/4	120.7	20 3/4	527	20 3/4	527	N/A	N/A	23.5	10.7

Design and dimensional data (inches and [mm]) are subject to manufacturing tolerances and change without notice.

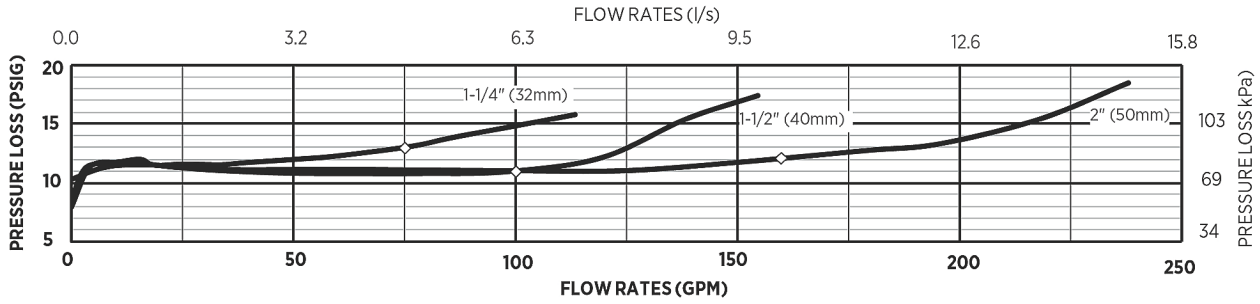
Flow Characteristics

◇ Rated Flow (established by approval agencies)

MODEL 375 1/2", 3/4" & 1" (STANDARD & METRIC)



MODEL 375 11/4", 11/2" & 2" (STANDARD & METRIC)

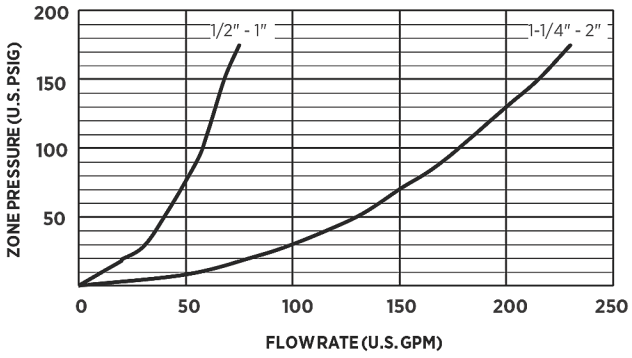


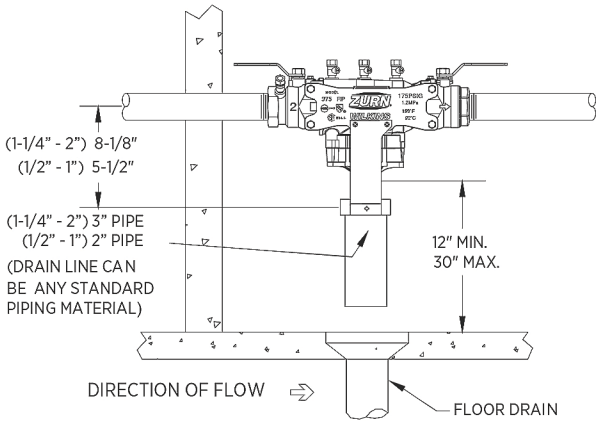
Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' 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.

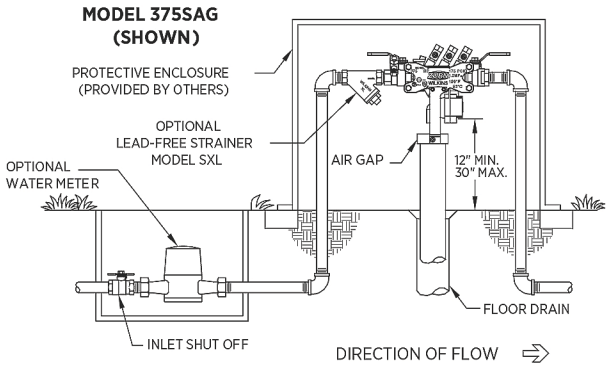
Relief Valve Discharge Rates

(Worst case condition - If 1st check or relief valve is lodged wide open)





INDOOR INSTALLATION



OUTDOOR INSTALLATION

Installation and Maintenance Instructions 1/2" - 1" Model 375, 375B

Installation and Maintenance Instructions 1-1/4"-2" Model 375, 375B

Specifications

The Reduced Pressure Principle Backflow Preventer shall be ASSE® Listed 1013, rated to 180°F and supplied with full port ball valves. The main body shall be Nylon and the seat disc elastomers shall be silicone. If installed indoors, the installation shall be supplied with an air gap adapter. For non-potable applications only. The Reduced Pressure Principle Backflow Preventer shall be a WILKINS Model 375.