

Model 350

Double Check Valve Assembly

Application

Designed for installation on water lines to protect against both backsiphonage and backpressure of polluted water into the water supply. Assembly shall provide protection where a potential health hazard does not exists.

Standards Compliance (Horizontal & Vertical)

- ASSE® Listed 1015
- IAPMO® Listed
- · CSA® Certified B64.5
- AWWA Compliant C510
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- UL® Classified (less shut-off valves only)
- · C-UL® Classified (less shut-off valves only

Materials

Main valve body Cast Bronze, ASTM B 584 (3/4-1")

Housing Reinforced Nylon

Fasteners Stainless Steel, 300 Series
Elastomers Silicone (FDA Approved)
Buna Nitrile (FDA Approved)

Internals Delrin, NSF Listed

Springs Stainless Steel, 300 series
Ball Valves Cast Bronze, ASTM B 584
Struts Stainless Steel, 300 Series
Handles Steel, 300 Series

Features

Sizes: 3/4", 1", 1-1/4", 1-1/2", 2"

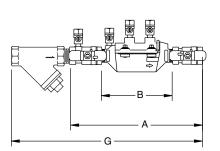
Maximum working water pressure

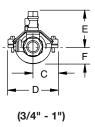
Maximum working water temperature

Hydrostatic test pressure

End connections Threaded

175 PSI
180°F
350 PSI
ANSI B1.20.1









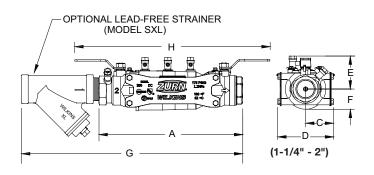
Options

(Suffixes can be combined)

- □ with full port QT ball valves (standard)□ L less ball valves, male pipe thread
- ☐ S with Model SXL lead-free bronze "Y" type
 - strainer
- ☐ FT with integral male 45° flare SAE test fitting
- ☐ BOF with blow out / flush fitting

Accessories

- □ Repair kit
- ☐ Thermal expansion tank (Model XT)
- ☐ QT-SET Quick Test Fitting Set
- ☐ Winterizing Blow out/Flush fitting (RK34-350BOF,
- ☐ RK1-350BOF or RK114-350-375BOF)

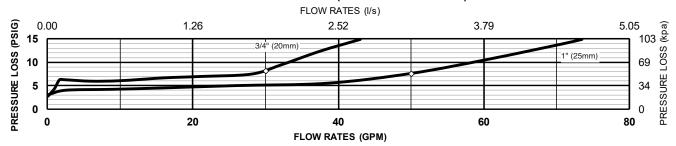


Dimensions & Weights (do not include pkg.)

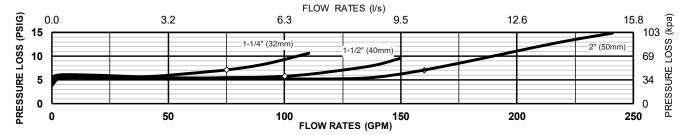
MOE)FI	DIMENSIONS (approximate)														WEIGHT					
350 SIZE		A		B LESS BALL VALVES		С		D		E		F		G		н		LESS BALL VALVES		WITH BALL VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg	lbs.	kg
3/4	20	11	279	6 5/8	168	1 7/8	48	3 3/4	95	3	76	1 1/4	32	15 1/8	384	11 7/16	291	2.3	1.0	4.3	2.0
1	25	12 1/4	311	7	178	2 1/16	52	4 1/8	105	3 1/4	83	1 3/4	45	17	431	12 5/16	313	3.0	1.4	6.0	2.7
1-1/4	32	14 7/8	378	14 3/8	367	3 3/8	86	6 3/4	171	3 3/4	95	2 1/4	57	20 1/2	521	18 1/2	470	17.2	7.8	19	8.6
1-1/2	40	15 1/4	387	14 3/8	367	3 3/8	86	6 3/4	171	3 3/4	95	2 1/4	57	22	559	20 1/4	514	17	7.7	20	9.1
2	50	16	406	14 3/8	367	3 3/8	86	6 3/4	171	3 3/4	95	2 1/4	57	24	609	20 3/4	527	18	8.2	22	10

Rev. G Date: 12/19 Document No. BF-350SM Product No. Model 350SM Patent zurn.com/patents

MODEL 350 3/4" & 1" (STANDARD & METRIC)



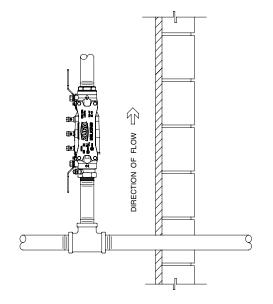
MODEL 350, 1-1/4", 1-1/2" & 2" (STANDARD & METRIC)

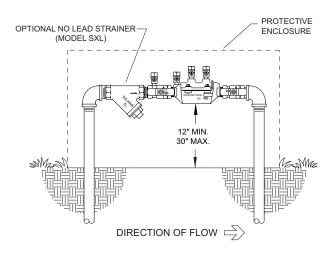


TYPICAL INSTALLATION

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. If installed below grade, be certain adequate drainage is provided to prevent the device from being submerged.

Capacity thru Schedule 40 Pipe										
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec						
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						





INDOOR INSTALLATION

OUTDOOR INSTALLATION

Specifications

The Double Check Valve Backflow Preventer shall be ASSE® Listed 1015, rated to 180°F and supplied with full port ball valves. The main body shall be Bronze for sizes 3/4" & 1", and Nylon for sizes 1-1/4" to 2". The housing shall be reinforced Nylon and the seat disc elastomers shall be silicone (FDA Approved). The first and second checks shall be accessible for maintenance without removing the device from the line. The Double Check Valve Backflow Preventer shall be a ZURN WILKINS Model 350.