WILKINS Model 950XLT2

Backflow Preventer - Double Check Valve Assembly with Top Access

TAG

Application

Ideal for use where Lead-Free* valves are required. Designed for installation on potable water lines to protect against both backsiphonage and backpressure of polluted water into the potable water supply. A test cock plug is provided to protect against fouling caused by insects, dirt and debris. Assembly shall provide protection where a potential non-health hazard exists.



1" 950XLT2



2" 950XLT2

Standards Compliance

(Unless otherwise noted, applies to horizontal and vertical flow-up installations)

- ASSE® Listed 1015
- cUPC® 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 (Horizontal installations only)
- Meets the requirements of NSF/ANSI/CAN 61 and 372*

*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Materials

Main Valve Body	Low Lead Cast Bronze ASTM B584
Access Covers	Low Lead Cast Bronze ASTM B584
Ball Valve Handles	Stainless Steel
Elastomers	Buna Nitrile Silicone
Fasteners	300 series Stainless Steel
Polymers	NORYL™
Springs	300 series Stainless Steel
Test Cock Cover	Plastic

Features

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

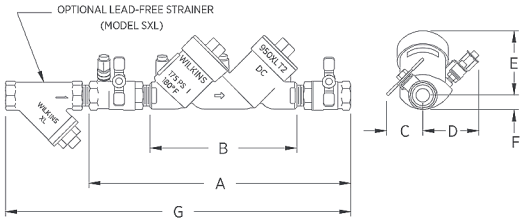
Maximum working water pressure	175 PSI
Maximum working water temperature	180°F
Hydrostatic test pressure	350 PSI
End connections (Threaded)	ANSI B1.20.1

Options (Suffixes can be combined)

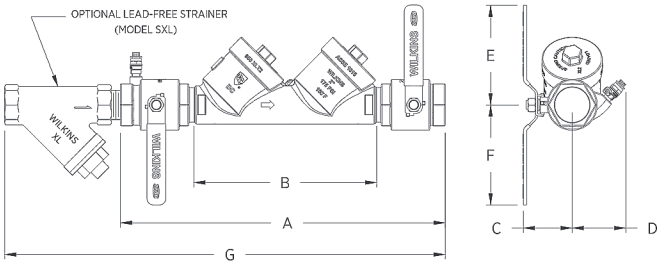
FT	With "Fast Test" test cocks
S	With Model SXL lead free bronze wye strainer

Accessories

- 950XLT2 Repair Parts
- Repair Kits (3/4" - 2")
- Thermal Expansion Tank XT
- Quick Test Fitting Set QT-SET



(3/4" - 1")



(1 1/4" - 2")

Dimensions & Weights (do not include pkg.)

MODEL SIZE		DIMENSIONS (approximate)														WEIGHT	
		A		B		C		D		E		F		G		WITH BALL VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
3/4	20	13	330	8 3/4	222	2 3/8	60	2 5/16	59	3 5/16	84	3/4	19	17 5/8	448	6	2.7
1	25	14	356	8 3/4	222	2 1/2	64	2 5/16	59	3 5/16	84	3/4	19	19 3/4	502	12	5.4
1 1/4	32	19 5/8	499	13 3/4	349	2 1/2	64	3 5/8	92	5 5/8	143	5 5/8	143	24 3/4	629	22	10
1 1/2	40	20 5/16	516	13 3/4	349	3	76	3 5/8	92	5 5/8	143	5 5/8	143	25 15/16	659	22	10
2	50	21 3/8	543	13 3/4	349	3 1/2	89	3 5/8	92	6 1/2	165	6 1/2	165	28 5/16	719	29	13.2

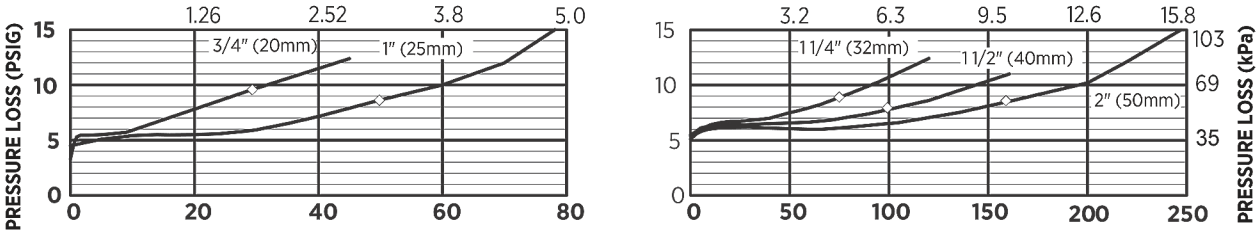
Design and dimensional data (inches and [mm]) are subject to manufacturing tolerances and change without notice.

Flow Characteristics

◇ Rated Flow (established by approval agencies)

MODEL 950XLT2 3/4", 1", 1 1/4", 1 1/2" & 2" (STANDARD & METRIC)

FLOW RATES (l/s)

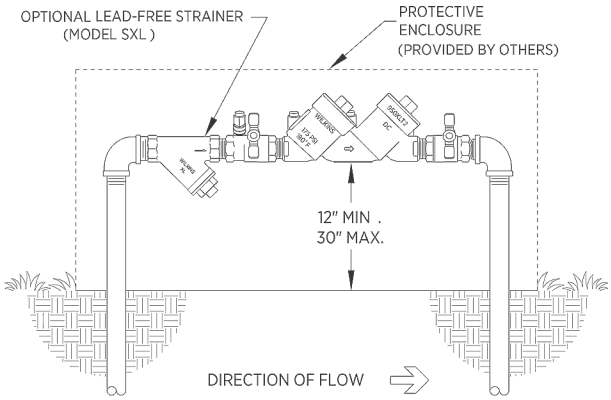


FLOW RATES (GPM)

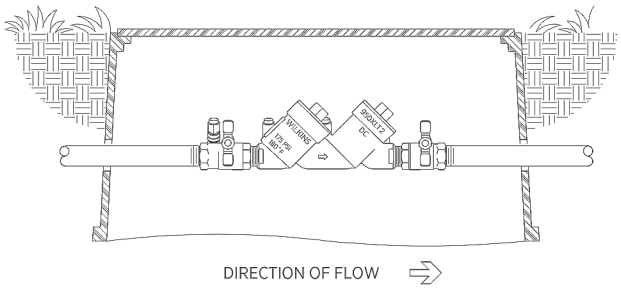
Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturer's 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**
1/8"	1	1	2	3
1/4"	2	2	3	5
3/8"	3	4	6	9
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



OUTDOOR INSTALLATION



PIT INSTALLATION

Installation and Maintenance Instructions - Model 950XLT2

Instructions for Freeze Protection - Model 950, 950XL, 975 & 975XL

Specifications

The Double Check Type Backflow Preventer shall be certified to NSF/ANSI/CAN 61 and 372, shall be ASSE Listed 1015, rated to 180° F, and supplied with full port ball valves. The main body and access covers shall be low lead cast bronze (ASTM B 584), the seat ring and all internal polymers shall be NORYL™ and the seat disc elastomers shall be silicone. The first and second check shall be located at a 45° angle and accessible for maintenance from the top of the device, without removing the device from the line. Each check shall have separate access covers and test cocks shall be accessible from the top of the device. Test cocks shall be protected from debris by a plug. The Double Check Type Backflow Preventer shall be a WILKINS Model 950XLT2.