



Model 950XLFDC

Double Check Valve Assembly with Fire Hydrant Connection

Application

Designed for direct connection to fire hydrant on temporary construction water lines to protect against both backsiphonage and backpressure of polluted water into the potable water supply. Hose adapters allow for connection to 2 1/2" fire hydrant (inlet) and 2 1/2" fire hose (outlet). Assembly shall provide protection where a potential health hazard does not exist.



Standards Compliance

(Unless otherwise, applies to Model 950XL)

- ASSE® Listed 1013
- IAPMO® Listed
- UL® Classified (less shut-off valves only)
- CSA® Listed
- AWWA Compliant C510 C-UL® Classified (less shut-off valves only)
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- City of Los Angeles Approved

Options

(Suffixes can be combined)

- with full port QT ball valves (standard)

Accessories

- Repair kit (rubber only)
- QT-SET Quick Test Fitting Set

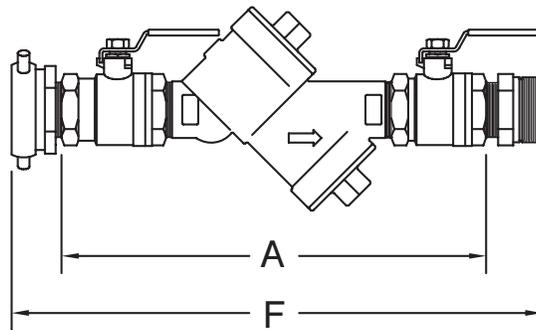
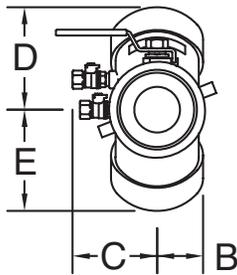
Features

Sizes: 2"

Maximum working water pressure	175 PSI
Maximum working water temperature	180°F
Hydrostatic test pressure	350 PSI
Ball valve connections Threaded	ANSI B1.20.1
Fire Dept. connections (2") Threaded	NH (NST) (NFPA 1963)

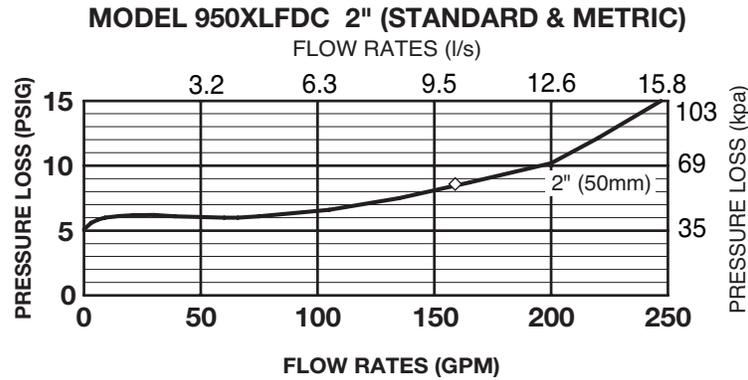
Materials

Main valve body	Cast Bronze ASTM B584
Access covers	Cast Bronze ASTM B584
Fasteners	Stainless Steel, 300 Series
Elastomers	Silicone (FDA approved) Buna Nitrile (FDA approved)
Polymers	Noryl™, NSF Listed
Springs	Stainless steel, 300 series
Connections	Cast Bronze ASTM B584



Dimensions & Weights (do not include pkg.)

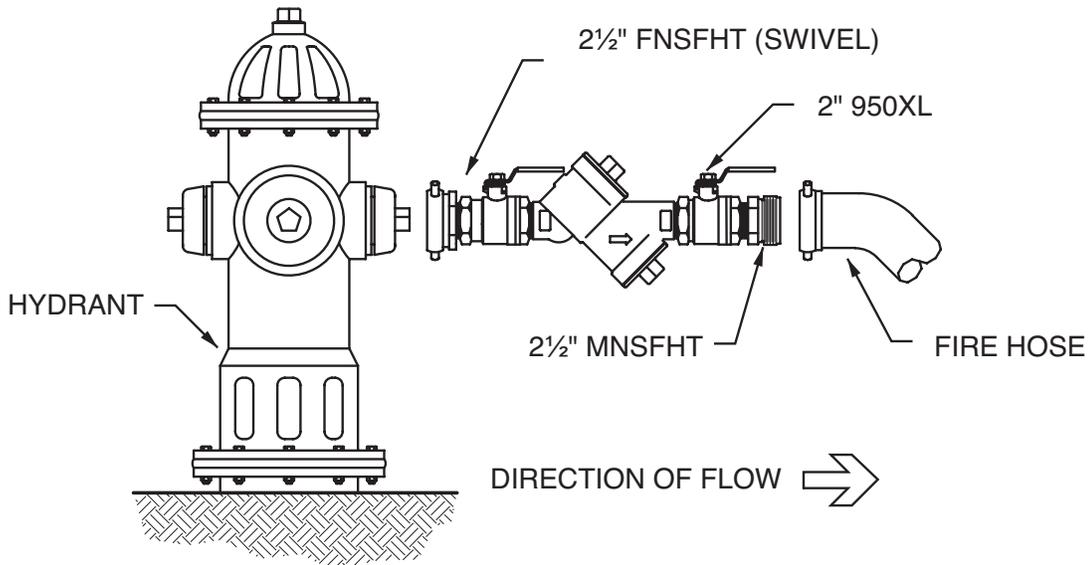
SIZE		DIMENSIONS (approximate)												WEIGHT	
		A		B		C		D		E		F		WITH BALL VALVES	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
2	50	18 1/4	464	2	51	3 1/2	89	4 1/2	114	4 1/2	114	22	559	31	14.1



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. The installation shall be made so that no part of the unit can be 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



TYPICAL INSTALLATION

Specifications

The Double Check Valve Backflow Preventer shall be ASSE® Listed 1015, and supplied with full port ball valves. The inlet connection shall be a 2 1/2” female NST swivel and the outlet connection shall be a 2 1/2” male NST coupling. The main body and access covers shall be bronze (ASTM B 584), the seat ring and all internal polymers shall be NSF® Listed Noryl™ and the seat disc elastomer shall be silicone. 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 950XLFDC.