

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. The Model 700XLFP shall provide protection where a potential health hazard does not exist.

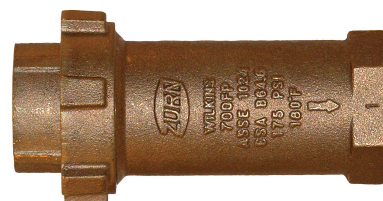


Standards Compliance

- UL® Classified
 - ASSE® Listed 1024
 - CSA® Certified B64.6
 - Certified to NSF/ANSI/CAN 372* by IAPMO R&T
- *(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Features

Sizes 1", 1-1/4", 1-1/2"	
Max. pressure	175 PSI
Max. temp	180°F
Connections Threaded	ANSI B 1.20.1
Copper sweat	ANSI B 16.22 (1-1/2" only)



1" 700XLFP

Materials

Main Valve Body	Low Lead Cast Bronze ASTM B806
Elastomers	Buna Nitrile (FDA approved)
	Silicone (FDA approved)
	EPDM (FDA approved)
Polymers	Delrin® NSF Listed
Springs	300 series Stainless Steel

Accessories

- [Repair Kits \(1" - 1-1/2"\)](#)
[Thermal Expansion Tank XT](#)

Connections Legend

U	= Indicates location of "union" connection
FNPT	= Female National Pipe Tapered Thread
FC	= Female Copper Sweat
FMTC	= Female Meter Thread Connection

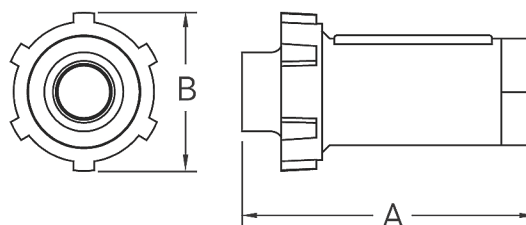
Configurations

FEMALE UNION INLET X FEMALE OUTLET		
INLET (UNION)	OUTLET	PART NUMBER
1" FNPT	1" FNPT	1UFX1F-700XLFP
1-1/4" FNPT	1-1/4" FNPT	114UFX114F-700XLFP
1-1/2" FNPT	1-1/2" FNPT	112UFX112F-700XLFP
1-1/4" FMTC*	1-1/4" FMPT	114UFMX114F-700XLFP
1-1/4" FMTC*	1" FNPT	114UFMX1F-700XLFP
1-1/2" FC	1-1/2" FNPT	112UFCX112F-700XLFP

*1-1/4" NPSH threads are used on 1" water meters

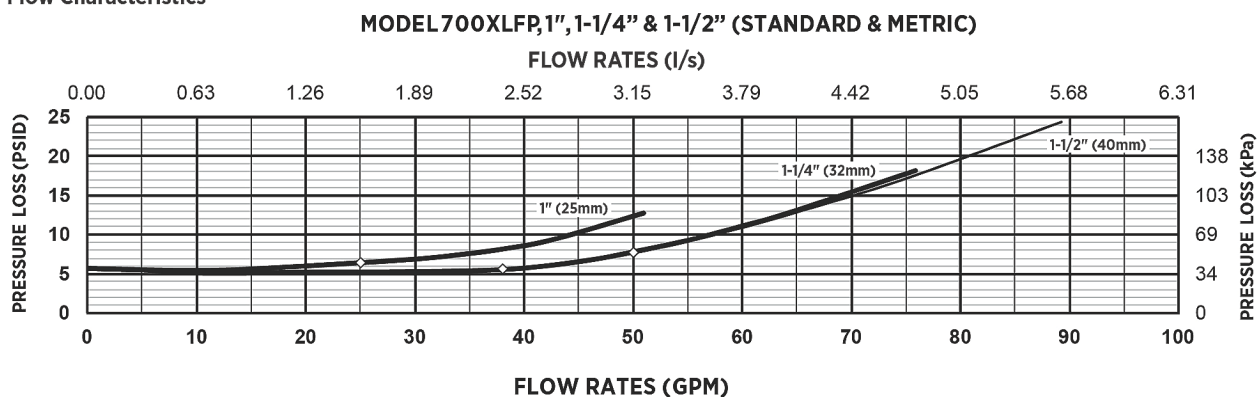
Dimensions & Weights (do not include pkg.)

MODEL SIZE		DIMENSIONS				WEIGHT	
		A		B			
in.	mm	in.	mm	in.	mm	lbs.	kg
1	25	6 5/16	160	3 3/8	86	3.6	1.6
1 1/4	32	6 5/16	160	3 3/8	86	3.4	1.5
1 1/2	40	6 5/16	160	3 3/8	86	3.3	1.5



Flow Characteristics

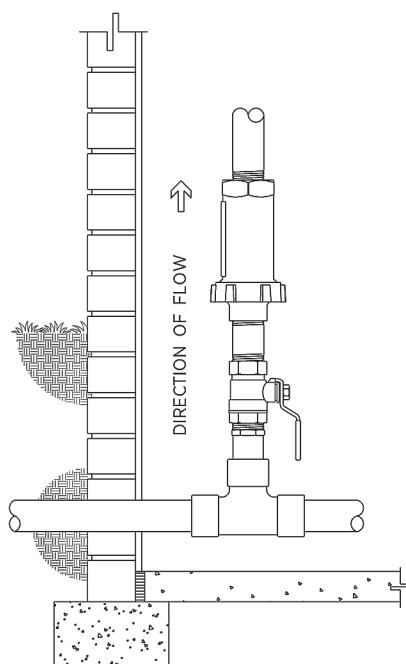
◇ Rated Flow (established by approval agencies)



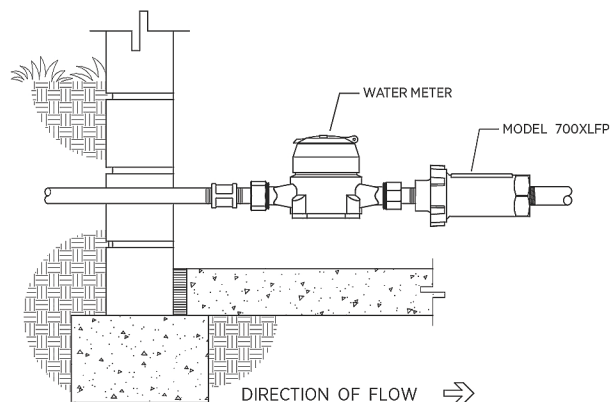
Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the installation shall be in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. The installation shall be made so that no part of the unit can be submerged.

Capacity thru Schedule 40 Pipe (GPM)				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
1"	13	20	27	40
1 1/4"	23	35	47	70
1 1/2"	32	48	63	95
2"	52	78	105	167



VERTICAL INSTALLATION



INDOOR INSTALLATION

[Installation and Maintenance Instructions - Model 700XLFP](#)

Specifications

The Dual Check Valve Backflow Preventer shall be certified to NSF/ANSI 372 and ASSE® Listed 1024. The main body shall be low lead cast bronze (ASTM B 584), the check assemblies shall be DELRIN®. The seal ring and o-rings shall be Buna Nitrile or Silicone. The Dual Check Valve shall be a WILKINS Model 700XLFP.