

## 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.

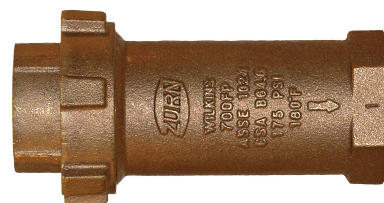


## Standards Compliance

- 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           |

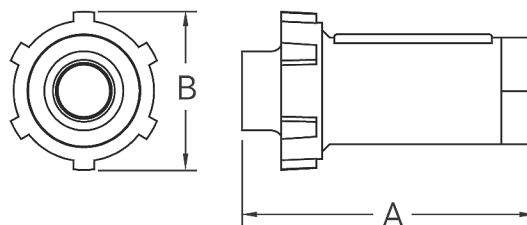
## Configurations

| 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

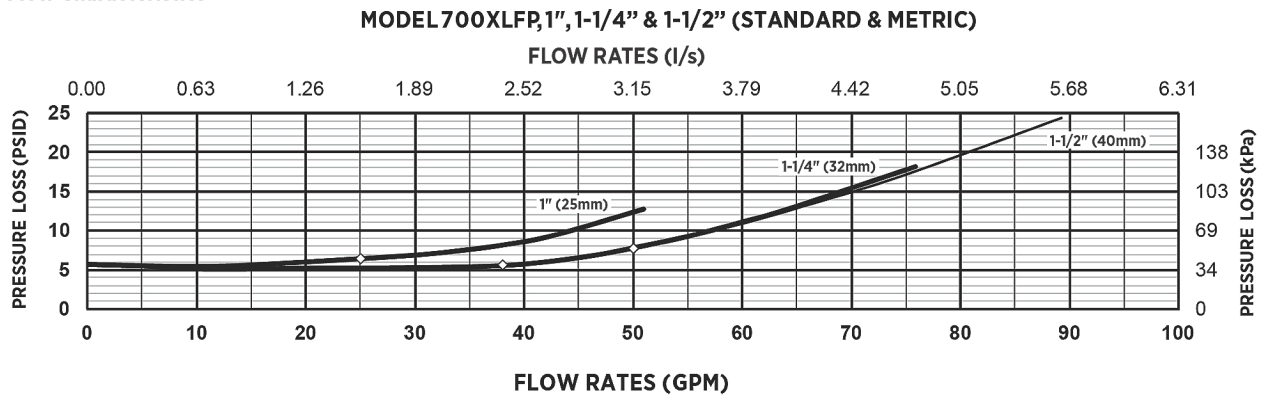
## Dimensions & Weights (do not include pkg.)

| MODEL<br>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**

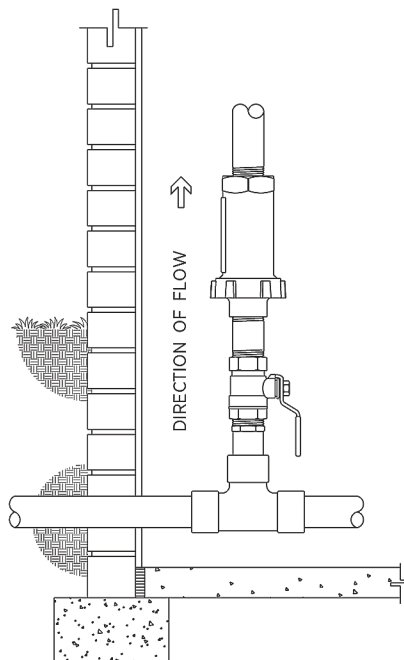
◇ Rated Flow (established by approval agencies)



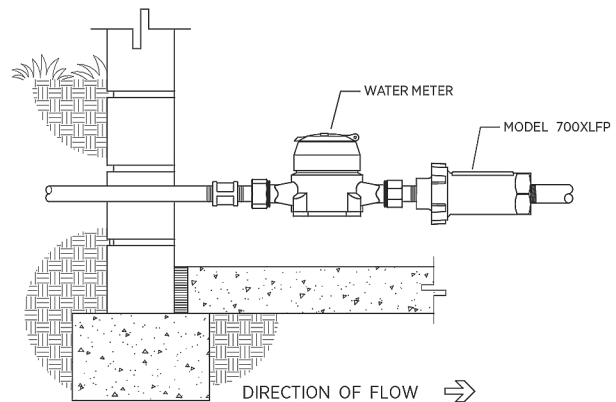
**Typical Installation**

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.