

Application

Ideal for use where Lead-Free* valves are required. Designed for installation on potable water lines to reduce high inlet pressure to a lower outlet pressure. The unitized replaceable cartridge reduces the time involved with cleaning and maintenance. The direct-acting integral bypass design prevents the buildup of excessive system pressure caused by thermal expansion. The balanced piston design enables the regulator to react in a smooth and responsive manner to changes in system flow demand, while at the same time, providing protection from inlet pressure changes.



Standards Compliance

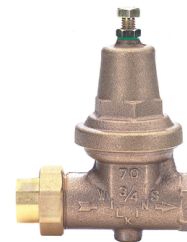
- ASSE® Listed 1003
 - cUPC® Listed
 - CSA® Certified B356
 - City of Los Angeles Approved
 - Meets the requirements of NSF/ANSI/CAN 61 and 372*
- *(LESS THAN 0.25% WEIGHTED AVERAGE LEAD CONTENT)

Materials

Body and Bell	Cast Bronze ASTM B584
Elastomers	Buna Nitrile FDA (CFR) 21 177.2600 EPDM FDA (CFR) 21 177.2600
Seats	300 series Stainless Steel
Stem and Sleeve	300 series Stainless Steel
Strainer Screen	300 Series Stainless Steel

Features

Sizes 3/4", 1"	
Maximum working water pressure	300 psi
Maximum working water temperature	140°F
Reduced pressure range	25 psi to 75 psi
Factory preset	50 psi
Threaded connections (FNPT)	ANSI B1.20.1
Copper connections (FC)	ANSI B16.22
CPVC tailpiece Max. hot water temp.	180°F @ 100 psi
Cold water rated temp.	73.4°F @ 400 psi



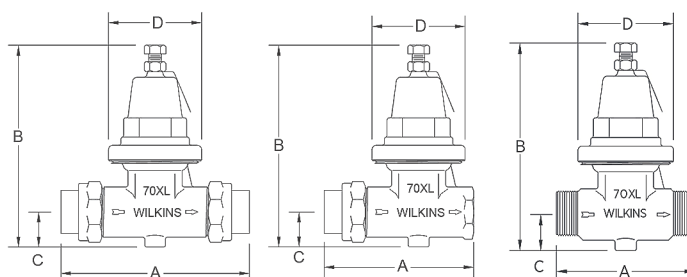
3/4" 70XL

Options (Suffixes can be combined)

- Standard with single union FNPT connection and 20 mesh strainer screen
- DM** Double male meter tailpiece connection (3/4); 1" National Hose Thread fits 5/8" x 3/4" and 3/4" water meters (no union included)
- SC** Sealed cage bell housing and stainless steel adjustment screw
- SS** Sealed cage bell housing with stainless steel adjusting screw and spring
- LP** Low pressure outlet 10-35 psi available in 3/4" single union, & 3/4" double union
- C** Single union copper sweat x FNPT
- DU** Double union FNPT x FNPT
- CPVC** CPVC tailpiece connection
- CM** With male copper sweat union connection
- DUPF** With Z-Bite™ push fit tailpiece connection 250 psi max pressure
- DUPR** With Z-Press™ press fit tailpiece connection 250 psi max pressure
- P** Tapped and plugged for gauge
- G** Tapped and plugged with gauge

Accessories

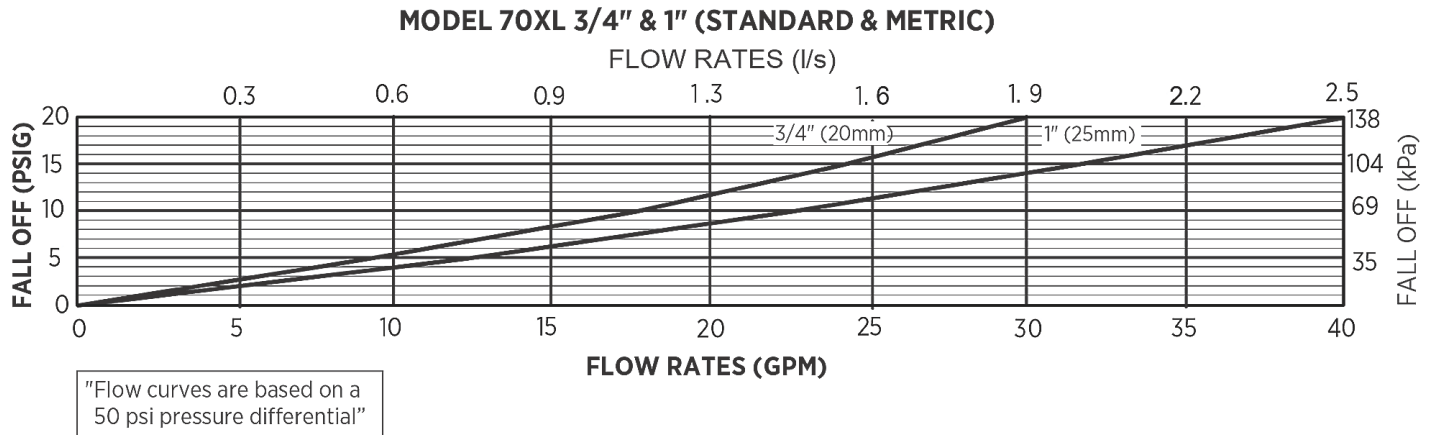
- Water Hammer Arrestor **1260XL**
- Thermal Expansion Tank **XT**
- Double Union Spacer Nipple **DUSPC**
- Tailpiece Kit, 3/4" Press Fit Lead Free **34-TPKXLPR**



Dimensions & Weights (do not include pkg.)

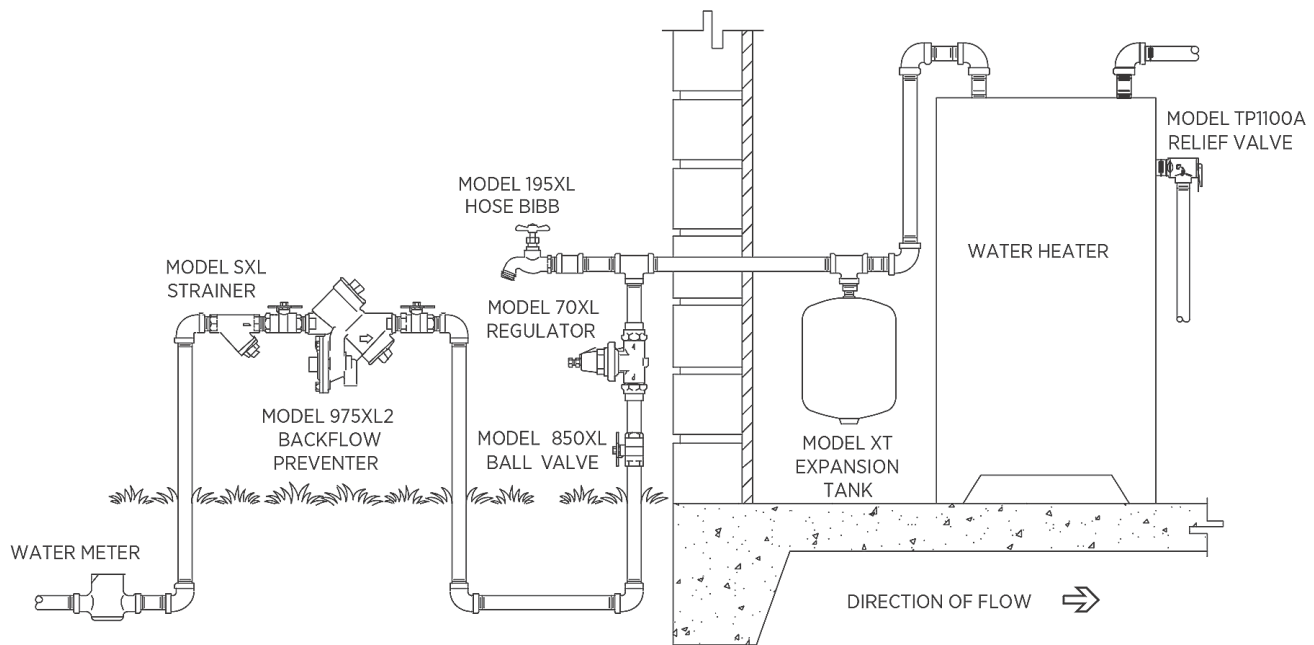
SIZE		CONNECTIONS	DIMENSIONS (approximate)								WEIGHT	
			A		B		C		D			
in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.
3/4	20	SINGLE UNION	4 5/8	117	6	152	1	25	2 3/4	70	2.9	1.3
3/4	20	DOUBLE UNION	6	152	6	152	1 1/8	29	2 3/4	70	3.0	1.4
3/4	20	DOUBLE MALE METER	4	102	6	152	1	25	2 3/4	70	2.9	1.3
1	25	SINGLE UNION	5	127	6 11/16	170	1	25	3 3/8	86	4.1	1.9
1	25	DOUBLE UNION	5 7/8	149	6 11/16	170	1 1/8	29	3 3/8	86	4.5	2.0

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



Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code. The assembly shall be installed with sufficient side clearance for testing and maintenance. The Model 70XL may be installed in any position. If installed in a pit, vault or indoors, specify the "SC" sealed cage option. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 4 to 1 (i.e.: 200 psi inlet reduced to 50 psi outlet). CAUTION: Anytime a reducing valve is adjusted, a pressure gauge must be used downstream to verify correct pressure setting. Do not bottom adjustment bolt on bell housing.



Typical Installation

[Installation and Maintenance Instructions - Model 70XL](#)

Specifications

The Pressure Reducing Valve shall be certified to NSF/ANSI/CAN 61 and 372, of the direct-acting type, and ASSE® 1003 Listed. The integral bypass check valve main body and bell housing shall be cast bronze (ASTM B 584). The pressure-reducing valve shall be of the balanced piston design and shall reduce pressure in both flow and no-flow conditions using an adjusting bolt. All internal parts shall be corrosion-resistant and included in a replaceable cartridge. The bronze bell housing shall be threaded to the body and shall not require the use of ferrous screws. The Pressure Reducing Valve shall be a WILKINS Model 70XL.