Model 70XL



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 time involved with cleaning and maintenance. The direct acting integral bypass design prevents 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
- IAPMO® Listed
- CSA® Certified
- City of Los Angeles Approved
- Meets the requirements of NSF/ANSI 61*
- *(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Materials

Body and bell	Cast bronze, ASTM B 584
Seat	Stainless Steel, 300 series
Stem & sleeve	Stainless Steel, 300 series
Elastomers	Buna nitrile, FDA (CFR) 21, 177.2600
	EPDM, FDA (CFR) 21, 177.2600
Strainer screen	Stainless Steel, 300 series

Features

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





Options (Suffixes can be combined)

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ure changes.	- standard with single union FNPT connection
	and 20 mesh strainer screen
	C - with FC (copper sweat) union connection
	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)
	DU - with double union FNPT connection
	P - tapped & plugged for gauge
	G - tapped & plugged with gauge
T)	SC - sealed cage bell housing and stainless steel
1)	adjusting screw
	SS - sealed cage bell housing with stainless
	steel adjusting screw and spring CPVC - CPVC tailpiece connection
	LP - low pressure outlet 10-35 psi available in
	3/4" single union, & 3/4" double union
177.2600	CM - with male copper sweat union connection
2600	DUPF - with Z-Bite [™] push fit tailpiece connection
	250 psi max pressure
	DUPR - with Z-Press™ press fit tailpiece connection
	250 psi max pressure
	Accessories
	Repair kit
nci	Water thermal expansion tank (Model XT)
psi °F	Special in-line spacer nipple (34-70DUSPC & 1-70DUSPC)
•	In-line strainer screen for DUSPC (SCR)
osi to 75 psi	Water hammer arrester (Model 1250XL)
osi	Z-Bite [™] push fit Tailpiece kit (TPKXLPF)
SI B1.20.1	250 psi max pressure
SI B16.22	Z-Press™ press fit Tailpiece kit (TPKXLPR)
°F @ 100	250 psi max pressure
73.4°F	
	D



Dimensions & Weights (do not include pkg.)

SIZE			DIMENSIONS (approximate)							WEIGHT		
		CONNECTIONS	A		В		С		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
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

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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.



Specifications

The Pressure Reducing Valve shall be certified to NSF/ANSI 61, 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 ZURN WILKINS Model 70XL.