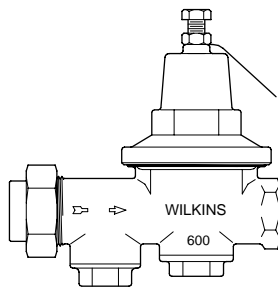


**Model 600**

Water Pressure Reducing Valve  
with Integral By-pass Check Valve and strainer

**FEATURES**

Sizes: ☐ 1/2" ☐ 3/4" ☐ 1" ☐ 1 1/4" ☐ 1 1/2" ☐ 2"  
Maximum working water pressure 300 psi  
Maximum working water temperature 180°F  
Reduced pressure range (standard) 25 psi to 75 psi  
Factory preset 50 psi  
Hydrostatic test pressure 300 psi  
End connections Threaded ANSI B1.20.1

**OPTIONS**

(Suffixes can be combined)

- ☐ C - copper sweat connection (3/4" thru 2")
- ☐ 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)
- ☐ HR - 75 psi to 125 psi spring range, factory set at  
85 psi
- ☐ HLR - 10 psi to 125 psi spring range, factory set at  
85 psi
- ☐ HT - 210°F maximum temp
- ☐ L - less integral by-pass check valve
- ☐ LU - less union assembly, female x female
- ☐ LPV - 210°F maximum temp with 10 psi to 35 psi  
spring range, factory set at 20 psi
- ☐ LPC - 180°F maximum temp with 10 psi to 35 psi  
spring range, factory set at 20 psi
- ☐ SC - sealed cage bell housing and stainless steel  
adjustment screw
- ☐ 610 - 400 psi inlet rating and 75 psi to 125 psi spring  
range, factory set at 85 psi
- ☐ P - tapped and plugged for gauge

**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.
1/2	15	SINGLE UNION	5 1/4	133	6 1/4	159	1 1/4	32	2 3/4	70	3	1.5
1/2	15	LESS UNION	4 1/2	114	6 1/4	159	1 1/4	32	2 3/4	70	3	1.5
3/4	20	SINGLE UNION	5 5/16	135	5 1/2	140	1 1/4	32	2 3/4	70	3	1.5
3/4	20	LESS UNION	4 7/8	121	5 1/2	140	1 1/4	32	2 3/4	70	3	1.5
1	25	SINGLE UNION	6 1/8	156	7 1/4	184	2	51	3 3/8	86	5	2.5
1	25	LESS UNION	5 3/4	146	7 1/4	184	2	51	3 3/8	86	5	2.5
1 1/4	32	SINGLE UNION	7 1/8	181	8	203	2	51	3 7/8	100	7	3.0
1 1/2	40	SINGLE UNION	9 1/8	232	10	254	2 1/2	64	5	127	13	6.0
2	50	SINGLE UNION	10 1/4	260	12	305	3	76	6 1/2	165	21	9.5

**APPLICATION**

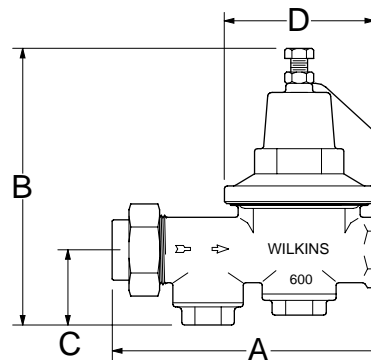
Designed for installation on potable water lines to reduce high inlet pressure to a lower outlet pressure. The integral strainer makes this device most suitable for residential and commercial water systems requiring frequent cleaning because of sediment and debris. The balanced piston design enables 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.

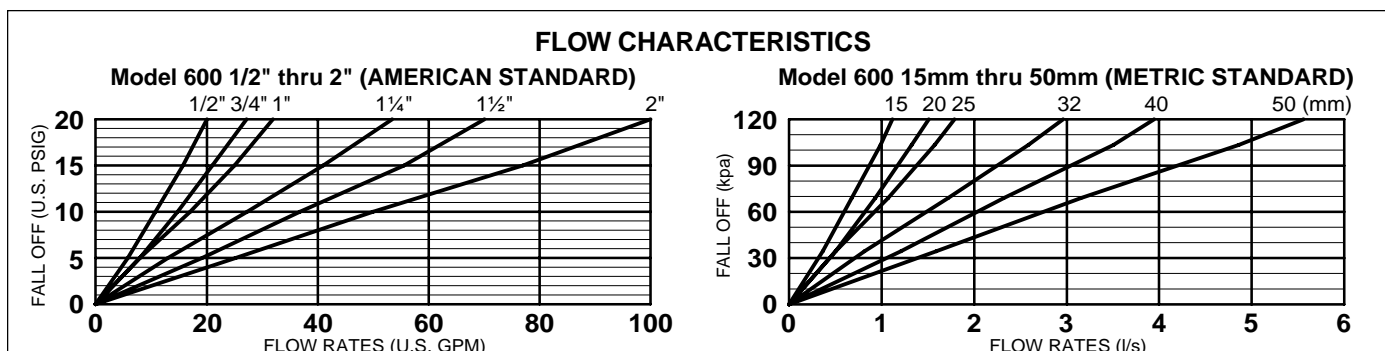
**STANDARDS COMPLIANCE**

- ☐ ASSE® Listed 1003
- ☐ IAPMO® Listed
- ☐ CSA® Certified
- ☐ City of Los Angeles Approved

**MATERIALS**

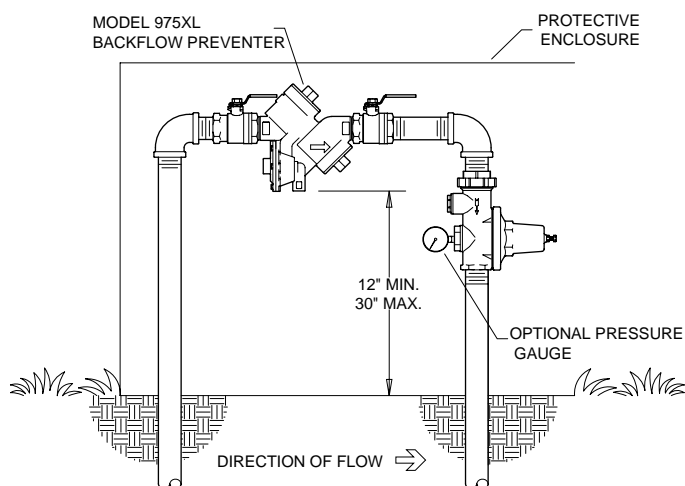
Main valve body Cast Bronze ASTM B 584  
Access covers Cast Bronze ASTM B 584  
Brass ASTM B 16  
Fasteners Stainless Steel, 300 Series  
Stem & plunger Cast Bronze ASTM B 584  
Brass ASTM B 16  
Elastomers Buna Nitrile, (FDA Approved)  
EPDM, (FDA Approved)  
Cap gaskets Natural Vulcanized Fibre  
Acetal (Delrin™), NSF Listed  
Strainer screen Stainless Steel, 300 Series



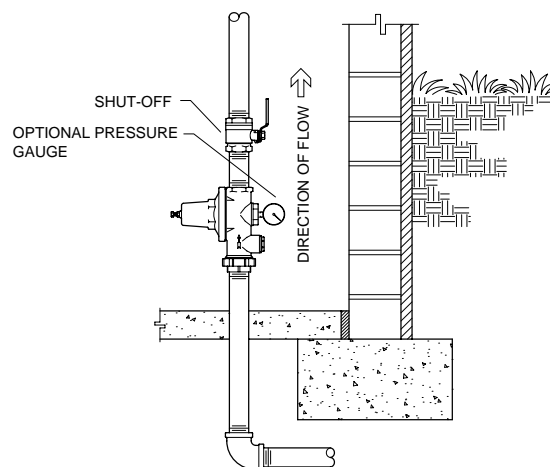


## TYPICAL INSTALLATION

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the latest edition of the Uniform Plumbing Code. The Model 600 may be installed in any position. If installed in a pit, vault or inside application, specify the "SC" sealed cage option. Multiple installations are recommend for wide demand variations or where the desired pressure reduction is more than 4 to 1 (ie: 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.



**OUTDOOR INSTALLATION**



**VERTICAL INSTALLATION**

## SPECIFICATIONS

The Pressure Reducing Valve shall consist of a bronze body and bell housing, shall have separate access covers for the plunger and strainer screen and shall have a bolt to adjust the downstream pressure. The Pressure Reducing Valve shall be of the balanced piston design and shall reduce pressure in both flow and no-flow conditions. The bronze bell housing and access caps shall be threaded to the body and shall not require the use of ferrous screws. The Pressure Reducing Valve shall be a WILKINS Model 600.