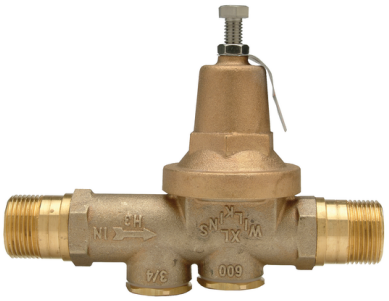
Model 600XLDM

Water Pressure Reducing Valve with Integral Strainer - Double Male Meter Connections

TAG

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 double male meter thread connections are specifically designed for meter setter applications. 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. Furnished with a sealed cage and stainless steel adjustment bolt.



3/4" 600XLDM

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* by IAPMO R&T

*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Features

Sizes	3/4", 1"
Maximum working water pressure	300 psi
Maximum working water temperature	140°F
Hydrostatic test pressure	300 psi
End connections Threaded	ANSI B1.20.1
	Male Meter 5/8" x 3/4"

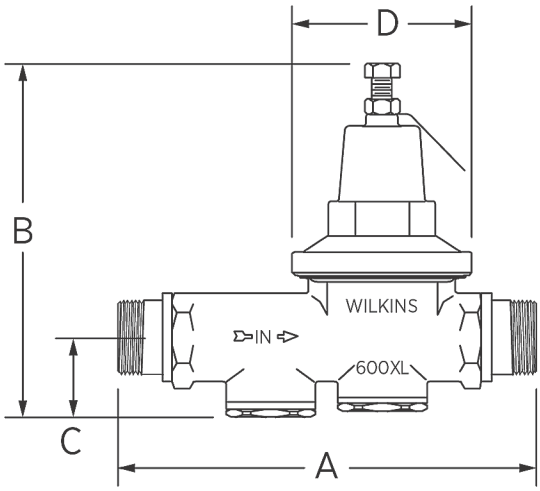
Standard with Sealed Cage Bell Housing and stainless steel adjustment screw

Materials

Main Valve Body	Low Lead Cast Bronze ASTM B584
Access Covers	Low Lead Brass
Cap Gaskets	Delrin® 500 Acetal NSF Listed
Elastomers	Buna Nitrile (FDA approved)
	EPDM (FDA approved)
Fasteners	300 series Stainless Steel
Stem and Plunger	Low Lead Brass
Strainer Screen	300 Series Stainless Steel

Options (Suffixes can be combined)

HR	75 psi to 125 psi spring range, factory set at 85 psi
DM2	9-1/2" Lay Length, 1" 600XL only

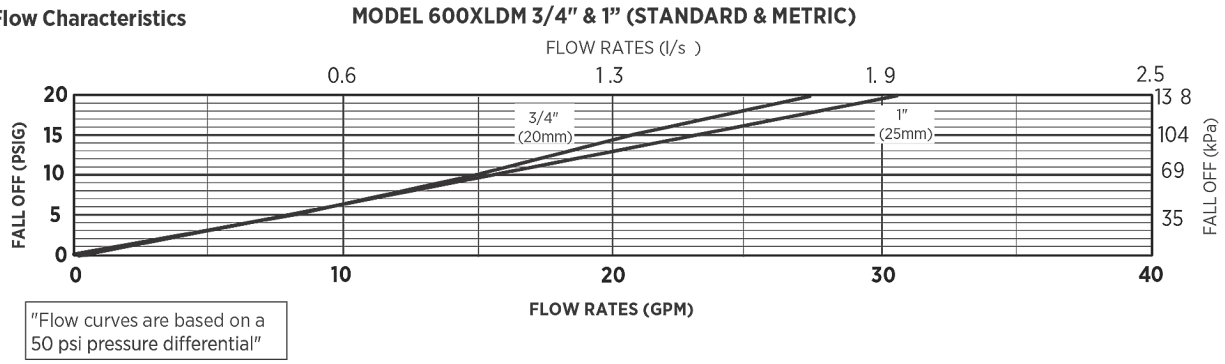


Dimensions & Weights (do not include pkg.)

METER THREAD	DIMENSIONS (approximate)								WEIGHT	
	A		B		C		D			
	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.
3/4"	7 1/2	191	5 1/2	140	1 1/4	32	2 3/4	70	3.5	1.58
1" DM	7 1/2	191	7 1/4	184	2	51	35/16	84	6.0	2.72
1" DM2	9 1/2	241	7 1/4	184	2	51	35/16	84	6.5	2.95

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

Flow Characteristics

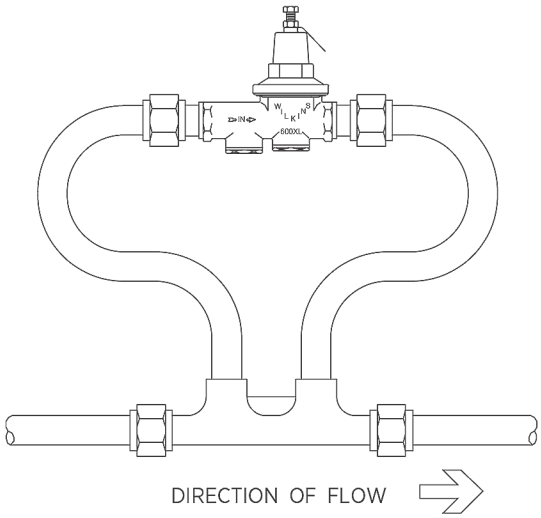


"Flow curves are based on a 50 psi pressure differential"

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 600XLDM may be installed in any position. Multiple installations are recommended for wide demand variations or where the desired pressure reduction is more than 3 to 1 (i.e.: 150 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.



Meter Setter Installation

Installation and Maintenance Instructions - Model 600XL

Specifications

The Pressure Reducing Valve shall be certified to NSF/ANSI/CAN 61 and 372, consist of a low lead bronze body and bronze bell housing, shall have a separate access cover 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 600XLDM.