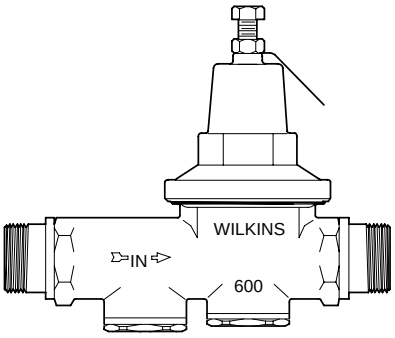
WILKINS
A ZURN COMPANY

Model 600DM

Water Pressure Reducing Valve
with Integral By-pass Check Valve
and Male Meter Connections



APPLICATION

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 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.

FEATURES

Sizes: ❑ 3/4"

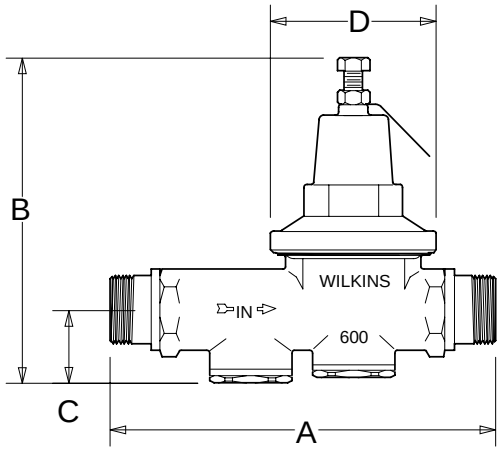
Maximum working water pressure	300 psi
Maximum working water temperature	180°F
Hydrostatic test pressure	300 psi
End connections Threaded	ANSI B1.20.1 Male Meter 5/8x3/4

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	Brass ASTM B 16
Fasteners	300 Series Stainless Steel
Stem & plunger	Brass ASTM B 16
Elastomers	Buna Nitrile, FDA EPDM, FDA
Cap gaskets	Delrin™ 500 Acetal, NSF Listed
Strainer screen	300 Series Stainless Steel

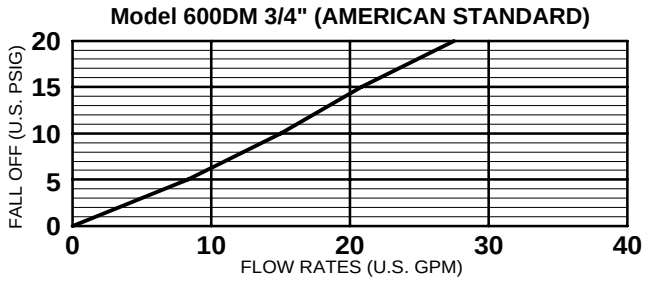


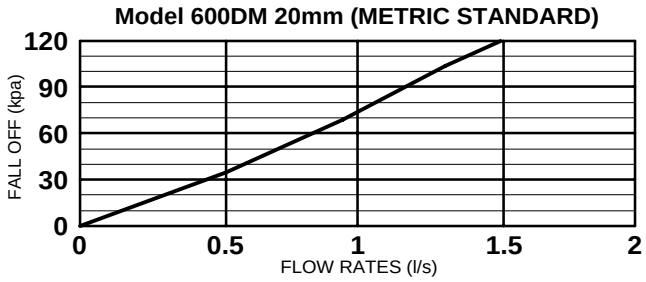
DIMENSIONS & WEIGHTS (do not include pkg.)

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	1.5

DOCUMENT NO. REG-600DM | REV. 10/99

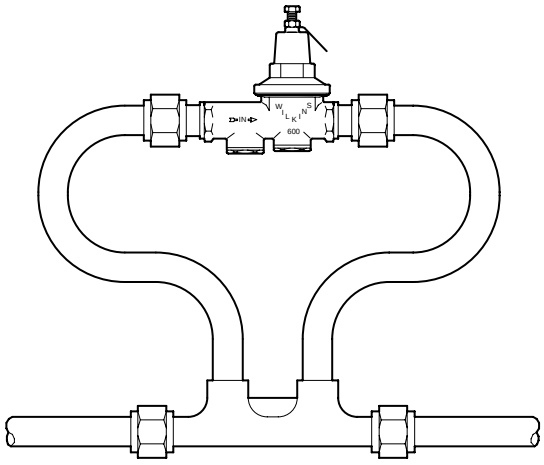
FLOW CHARACTERISTICS





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 600DM may be installed in any position. 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.



METER SETTER INSTALLATION

SPECIFICATIONS

The Pressure Reducing Valve shall consist of a bronze body and 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 600DM.

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