



FURON[®] PRECISION PLUG VALVE

2-WAY MANUAL
MULTI-TURN
1/16" TO 1/4" ORIFICE

Furon Precision Plug Valves offer a means of precisely regulating flow in liquid and gas applications. Precision Plug Valves feature a manual adjustment knob with fine adjustment threads, allowing the user to precisely set the desired flow rate. Constructed from 100% virgin PTFE wetted parts, they are suitable for use with harsh, aggressive, or ultra-pure chemistry, as well as most gases. Our bubble-tight plug design assures no leakage in gas applications. Panel mount feature is standard on all Precision Plug Valves, allowing the user to easily mount the valves on an instrumentation or control panel.

APPLICATIONS

- Precise regulation of chemical or gas flow in wafer processing applications
- Flow regulation in DI water systems
- Instrumentation requiring precise flow regulation of gas or chemical
- Laboratory applications

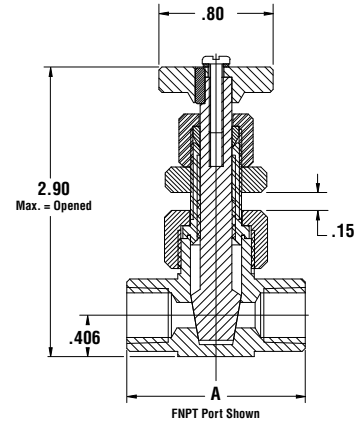
FEATURES AND BENEFITS

- 100% virgin PTFE wetted flow path
- Small footprint
- Bubble tight sealing
- Straight through flow path construction
- Suitable for liquid and gas use
- Panel mount feature standard

Furon® Precision Valve 2-Way Manual

SPECIFICATIONS

Description	End Connection Type	Orifice		End Connection Size		A	
		in	mm	in	mm	in	mm
PV1-12	FNPT	1/16	1.6	1/8	3.2	1.49	37.9
PV1-22	FNPT	1/8	3.2				
PV1-24	FNPT	1/4	6.4	1/4	6.4	1.67	42.4
PV1-44	FNPT						
PV1-46	FNPT	3/8	9.5	3/8	9.5	1.75	44.5
PV1-66	FNPT						
PV1-88	FNPT	1/2	12.7	1/2	12.7		
PV2-12	Grab Seal™	1/16	1.6	1/8	3.2	1.75	44.5
PV2-14	Grab Seal™						
PV2-24	Grab Seal™	1/8	3.2	1/4	6.4		
PV2-46	Grab Seal™	1/4	6.4	3/8	9.5		



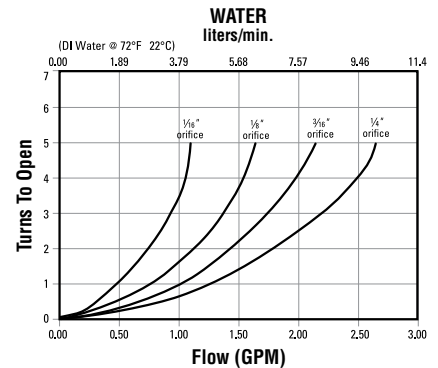
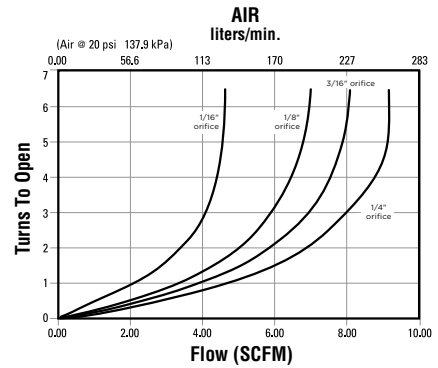
OPTIONS

- 90° angled body (PVA Series)
- Other end connection types available.
 - Nippon Pillar Super 300®
 - Tube End
 - Others not listed

Please contact us for further details

TECHNICAL SPECIFICATIONS

Max. Operating Pressure	75 psig (5.2 bar)
Max. Operating Temperature	Ambient: 122°F (50°C) Media: 212°F (100°C)
Flow Factor	C _v 0.2 - 0.5
Body	PTFE
Needle & Stem	PTFE
Adjustment Knob	Polypropylene



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NOTE: This document is intended to provide information about the product to enable you to consider whether generally the Product meets your application need and is not intended to provide product specification. This document should not be considered a Product warranty or guaranty. To the extent this document mentions any tests done by Saint-Gobain, such tests are done under controlled laboratory circumstances and hence other factors in your use and application may impact such values. Saint-Gobain strongly recommends that you conduct practical tests simulating the conditions of your application to ensure that the product meets your requirements for your specific application

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