

# Furon<sup>®</sup> Metering Valve

## Manually Actuated, Multi-Turn Valve (1/16" Orifice)

### Description

Furon Metering Valves offer a means of precisely metering liquid or gas flow. Our metering valves feature a "needle" design with a manual knob and fine-thread adjustment stem, allowing the end user to very precisely set the valve for the desired liquid or gas flow. Constructed from 100% virgin PTFE wetted parts, they are suitable for use with harsh, aggressive, or ultra-pure chemistry and most gases. Bubble-tight sealing assures no leakage in gas applications. Panel mount feature is standard on all Metering 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 parts for high purity and corrosion resistance
- Fine thread on needle stem allows precise metering and flow control
- Small footprint design
- Straight through flow path construction
- 90° angle body available as option

ASK AN ENGINEER

## Furon Metering Valve

Part Number	End Connection	Orifice (in)	Port Size (in)	A
MV1-12	FNPT	1/16	1/8	1.49" (37.85 mm)
MV1-14	FNPT	1/16	1/4	1.67" (42.42 mm)
MV2-12	Grab Seal™	1/16	1/8	2.29" (58.16 mm)
MV2-14	Grab Seal™	1/16	1/4	2.29" (58.16 mm)
MV5-12	MNPT	1/16	1/8	1.75" (44.45 mm)
MV5-14	MNPT	1/16	1/4	1.75" (44.45 mm)

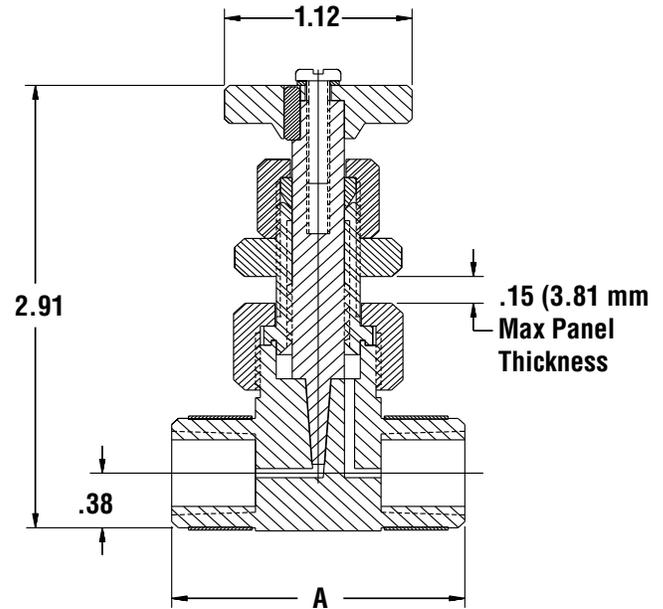
## Ordering & Technical Specifications

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

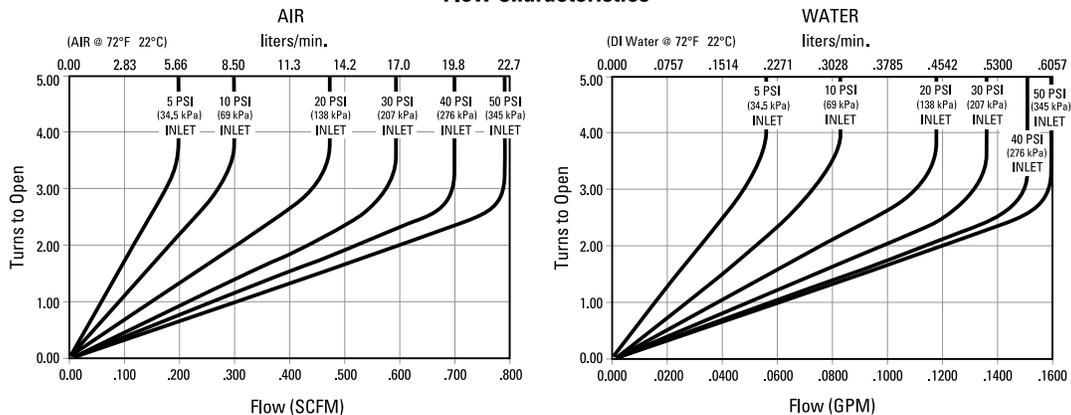
## Options

- 90° angled body (MVA Series)
- Other end connection types available:  
Nippon Pillar Super 300  
Tube ends  
Others not listed

[Please contact us](#) for further details >>



## Flow Characteristics



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