



## FURON<sup>®</sup> MINI CHECK VALVE

MEDIA ACTUATED  
1/4 & 3/8" ORIFICE

Furon Mini Check Valves are injection molded, high-purity valves which allow fluids to pass in only one direction, preventing back flow. Our Mini Check Valves feature 100% metal-free and elastomer-free construction and high purity PFA wetted flow path. Compact design allows for easy inline installation. Furon Mini Check Valves are engineered for use in fluid temperatures up to 212°F (100°C) and operating pressures up to 100 PSIG (6.9 bar) at 72°F (22°C).

### APPLICATIONS

- Prevent drain down of chemical delivery lines
- Prevent back flow in process delivery
- Transfer of aggressive or ultrapure chemicals commonly used in the Semiconductor and Chemical Processing industries

### FEATURES AND BENEFITS

- Injection molded, high purity PFA and PTFE wetted flow path
- 100% metal-free O-Ring free design
- <1 PSIG (0.07 bar) cracking pressure
- High purity design and construction reduces possibility of process contamination
- Easy in-line installation
- Protects against possibility of back flow with minimal impact to system

## SPECIFICATIONS

Description	End Connection Type	Orifice		End Connection Size		A	
		in	mm	in	mm	in	mm
MCVM-F44	FlareGrip® II	1/4	6.35	1/4	6.35	3.03	77.0
MCVM-F66	FlareGrip® II	3/8	9.52	3/8	9.52	3.19	81.0
MCVM-S30044	Nippon Pillar Super 300®	1/4	6.35	1/4	6.35	2.22	56.4
MCVM-S30066	Nippon Pillar Super 300®	3/8	9.52	3/8	9.52	2.54	64.6

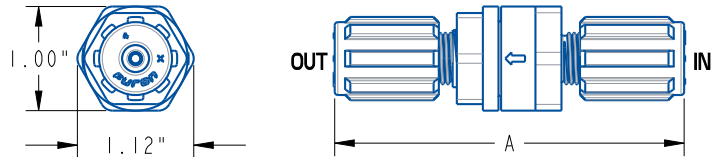
## TECHNICAL SPECIFICATIONS

Operating Pressure	100 psig (6.9 bar)
Back Pressure	100 psig (6.9 bar)
Cracking Pressure	<1 PSIG (0.07 bar)
Min. Sealing Back Pressure	4 psig (0.28 bar)
Flow Factor	0.1 - 1.9
Max. Operating Temperature	Ambient: 149°F (65°C) Media: 212°F (100°C)
Body	PFA
Spring	PFA

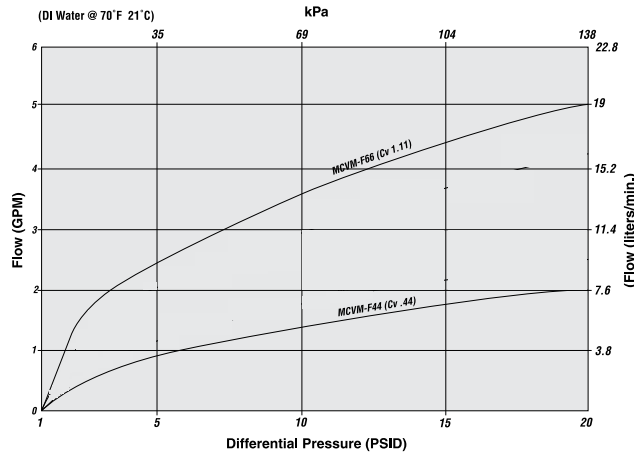
## OPTIONS

- Pillar “Y Type” sleeves for thin-wall tubing.
- Other end connections not listed

[Please contact us](#) for further details and different cracking pressure options



Pressure Drop Vs. Flow



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