



Furon® Mini Check Valve

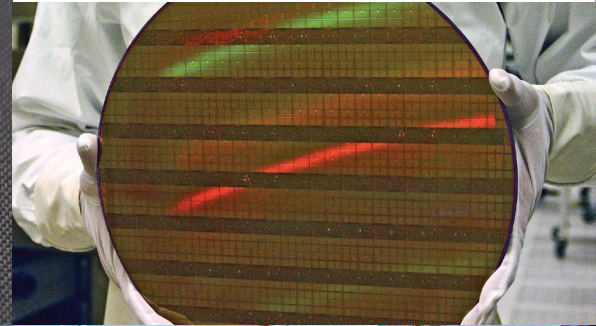
Media Actuated, (1/4" & 3/8" Orifice)

Description

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 203 °F (95 °C) and operating pressures up to 120 PSIG (8.3 bar).

Applications

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



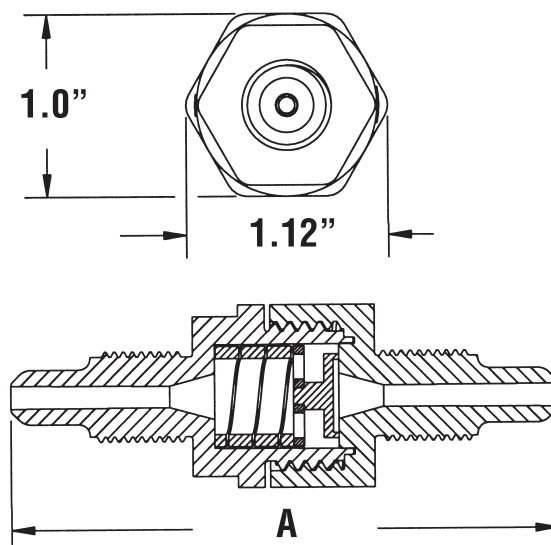
Features and Benefits

- Injection molded, high purity PFA wetted flow path
- 100% metal-free O-Ring free design
- <1 PSIG (.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

ASK AN ENGINEER

Furon Mini Check Valve

Part Number	End Connection	Orifice (in.)	Port Size (in.)	A (in.)
MCVM-F44	FlareGrip II®	1/4	1/4	3.03 (77.0 mm)
MCVM-F66	FlareGrip II®	3/8	3/8	3.19 (81.0 mm)
MCVM-S30044	Super 300®	1/4	1/4	1.95 (49.6 mm)
MCVM-S30066	Super 300®	3/8	3/8	2.35 (59.7 mm)



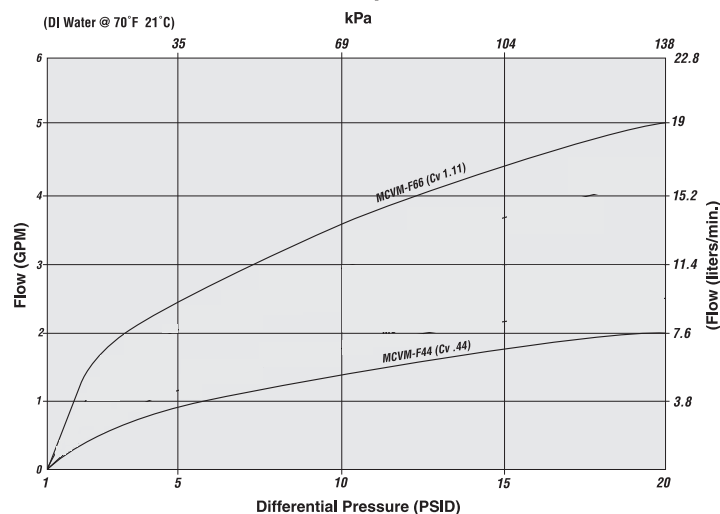
Operating Specifications

Operating Pressure	120 psig (8.3 bar)
Back Pressure	120 psig (8.3 bar)
Cracking Pressure	<1 PSIG (0.07 bar)
Cv Flow Factor	0.1 - 1.9
Max. Operating Temperature	203°F (95°C)
Body	PFA
Spring	PFA

Standard Options

- Pillar "Y Type" sleeves for thin-wall tubing.
- Other end connections not listed. [Please consult factory](#) for further details >>

Pressure Drop Vs. Flow



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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