



FURON[®] **LARGE CHECK VALVE**

MEDIA ACTUATED,
MOLDED
1/2, 3/4 & 1" ORIFICE

Furon Large Check Valves are injection molded high-purity valves which allow fluids to pass in only one direction, preventing back flow. Available in 1/2", 3/4" and 1" orifice sizes, our Large 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 Large Check Valves are engineered for use in fluid temperatures up to 203-212°F (95-100°C) and operating pressures up to 80-100 PSIG (5.5-6.9 bar) dependant on orifice size.

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

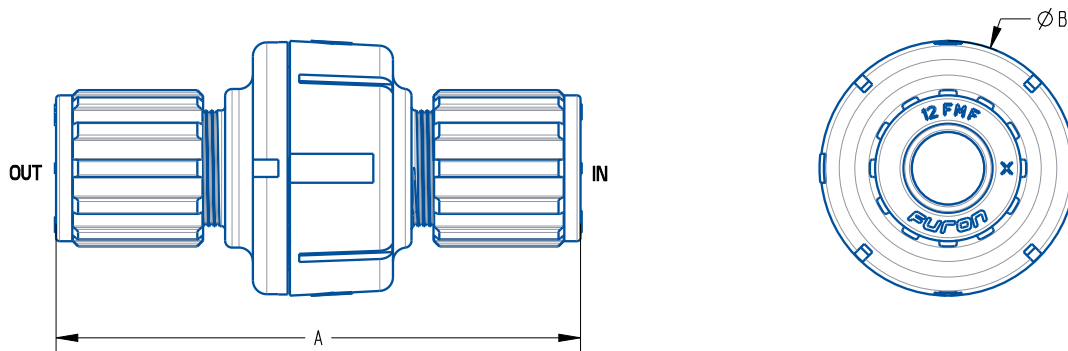
FEATURES AND BENEFITS

- 100% metal-free O-Ring free design
- Metal and O-Ring free design
- <2 PSIG (0.14 bar) cracking pressure
- Zero dead volume body seal with no wetted thread areas
- 203-212°F (95-100°C) maximum temperature rating dependant on orifice size
- High-purity PTFE spring

Furon® Large Check Valve

SPECIFICATIONS

Description	End Connection Type	Orifice		End Connection Size		A		ØB	
		in	mm	in	mm	in	mm	in	mm
LCVM-F88	FlareGrip® II	1/2	12.7	1/2	12.7	4.34	110.20	1.72	43.69
LCVM-788	FuseBond™					4.35	110.49		
LCVM-S30088	Nippon Pillar Super 300®					Please contact us		Please contact us	
LCVM-F1212	FlareGrip® II	3/4	19.05	3/4	19.05	4.60	116.84	2.20	55.88
LCVM-71212	FuseBond™					4.20	106.68		
LCVM-S3001212	Nippon Pillar Super 300®					Please contact us			
LCVM-F1216	FlareGrip® II	1	25.4	1	25.4	4.70	119.38	2.20	55.88
LCVM-71216	FuseBond™					4.20	106.68		
LCVM-S3001216	Nippon Pillar Super 300®					Please contact us			
LCV-F1616	FlareGrip® II	1	25.4			5.50	139.70	2.20	55.88
LCV-S3001616	Nippon Pillar Super 300®			Please contact us					



TECHNICAL SPECIFICATIONS

	1/2" & 3/4" Orifice	1" Orifice
Operating Pressure	100 psig (6.9 bar)	80 psig (5.5 bar)
Back Pressure	150 psig (10.3 bar)	
Cracking Pressure	<2 psig (0.14 bar)	
Min. Sealing Cracking Pressure	<10 psig (0.7 bar)	
C _v Flow Factor	3.7 – 13	
Max. Operating Temperature	Ambient: 149°F (65°C) Media: 212°F (100°C)	Ambient: 149°F (65°C) Media: 203°F (95°C)
Body	PFA*	
Spring	PFA*	

* Machined version uses PTFE

OPTIONS

- PFA flare nuts
(replace -1 with -3 at end of description/part number for flare version)
- Other end connections not listed

[Please contact us](#) for further details



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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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