

Furon® J-Valve

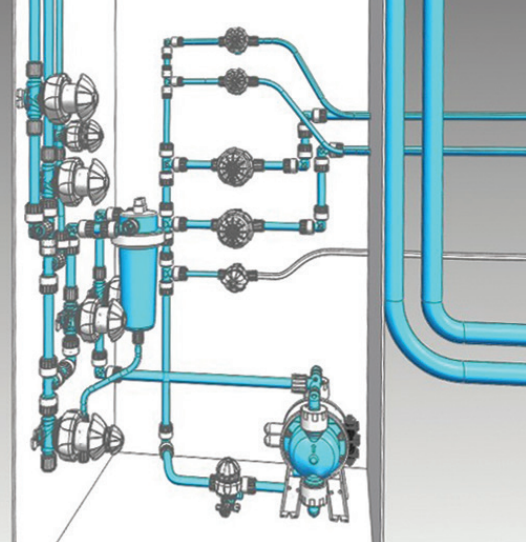
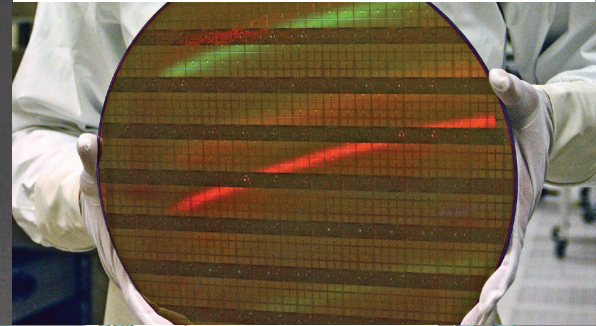
Pneumatically Actuated, 2-Way Valve

Description

Pneumatically actuated, 2-way diaphragm valve for reliable on/off control. Furon J-Valves are robust in design, offering superior performance in applications involving aggressive chemistries or abrasive slurries. Our J-Valves feature a high Cv flow factor in a small footprint, and also provide capability for operating in high back pressure applications. Wetted parts are 100% injection molded high-purity PFA with modified PTFE diaphragm, assuring the ultimate in high purity and resistance to the most aggressive media. A fully swept flow path allows for complete drain down of media with no hold-up volume. Additionally, Furon J-Valves are lifecycle tested to over two million cycles, assuring superior reliability in process-critical applications.

Applications

- Chemical distribution systems in the Semiconductor industry
- Ultrapure deionized water applications
- Suitable for use in abrasive slurry
- Applications requiring high back pressure (up to 85 PSIG) and/or high flow (7.2 Cv)



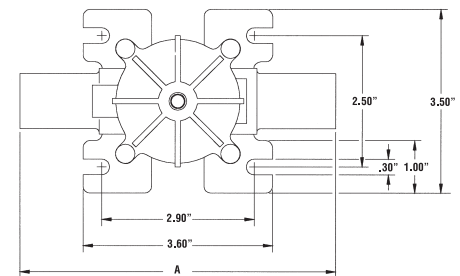
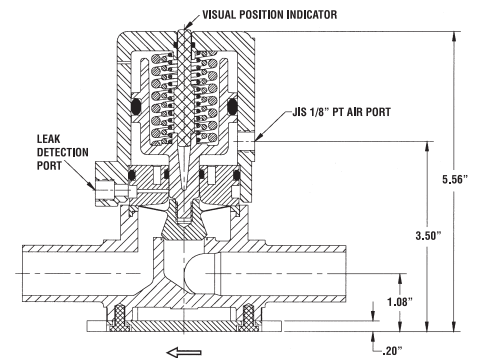
Features and Benefits

- Lifecycle tested to 2 million cycles
- Pressure rated to 85 PSIG (5.7 bar)
- Maximum flow rating of 7.2 Cv
- High Purity PFA and PTFE wetted components
- Fully swept flow path supports no hold up volume
- Visual position indicator
- Leak detection port
- J-Valve designs have been tested for more than 3 million cycles

ASK AN ENGINEER

Furon J-Valve - Pneumatically Actuated, 2-Way

Part Number	Flow Path	End Connection	Orifice (in.)	Port Size (in.)	A
JV2-F1212-NC-B-3	Normally Closed	FlareGrip® II	3/4	3/4	6.2" (157.5 mm)
JV2-F1212-NO-B-3	Normally Open	FlareGrip® II	3/4	3/4	6.2" (157.5 mm)
JV2-F1216-NC-B-3	Normally Closed	FlareGrip® II	3/4	1	6.2" (156.2 mm)
JV2-F1216-NO-B-3	Normally Open	FlareGrip® II	3/4	1	6.2" (156.2 mm)
JV2-71212-NC-B	Normally Closed	FuseBond™	3/4	3/4	6.0" (152.4 mm)
JV2-71212-NO-B	Normally Open	FuseBond™	3/4	3/4	6.0" (152.4 mm)
JV2-71216-NC-B	Normally Closed	FuseBond™	3/4	1	8.24" (209.3 mm)
JV2-71216-NO-B	Normally Open	FuseBond™	3/4	1	8.24" (209.3 mm)
JV2-S3001212-NC-B-3	Normally Closed	Nippon Pillar Super 300®	3/4	3/4	6.7" (169.7 mm)
JV2-S3001212-NO-B-3	Normally Open	Nippon Pillar Super 300®	3/4	3/4	6.7" (169.7 mm)
JV2-S3001216-NC-B-3	Normally Closed	Nippon Pillar Super 300®	3/4	1	7.4" (189.0 mm)
JV2-S3001216-NO-B-3	Normally Open	Nippon Pillar Super 300®	3/4	1	7.4" (189.0 mm)



Ordering & Technical Specifications

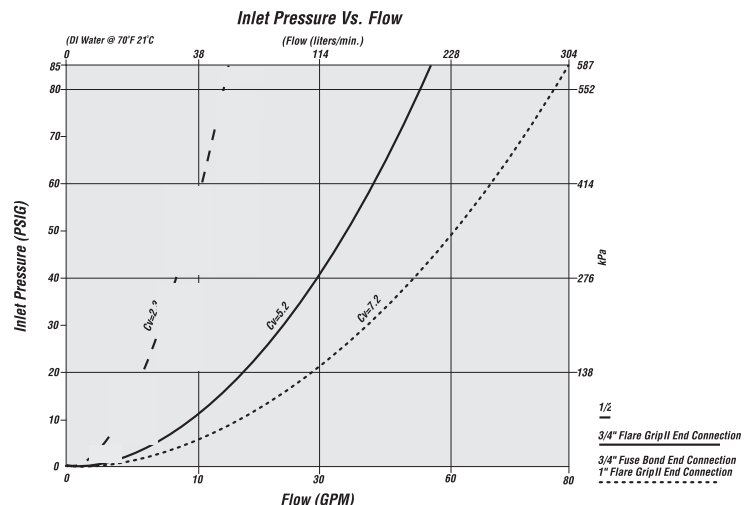
Operating Pressure	85 psig (5.9 bar)
Back Pressure	85 psig (5.9 bar)
Flow	Cv 5.2 - 7.2
Operating Temperature	203°F (95°C)
Actuator Pressure	60 - 100 PSIG (4.1 - 6.9 Bar)
Body	PFA
Diaphragm	Modified PTFE
Actuator Housing	Polypropylene

HCl more than 1.1 million cycles

Standard Options

- Other end connection types available:
 - FNPT
 - Pipe
 - Tube End
 - Others not listed
- Fiber optic position sensor
- Custom manifolds

[Please consult factory](#) for further details >>



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