



FURON®
Pure Performance

Furon® Q-Valve

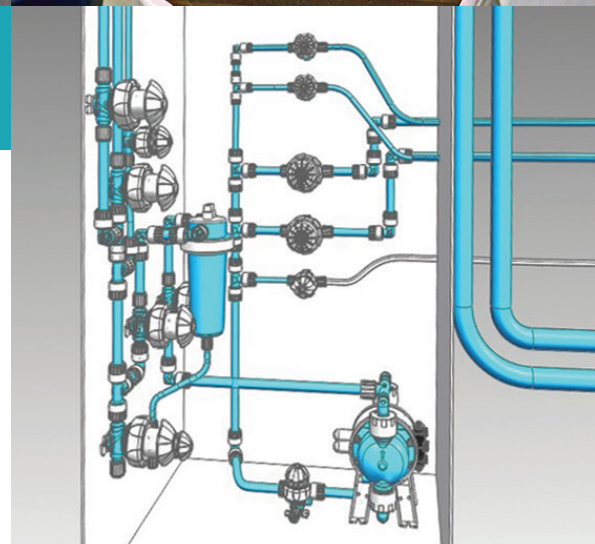
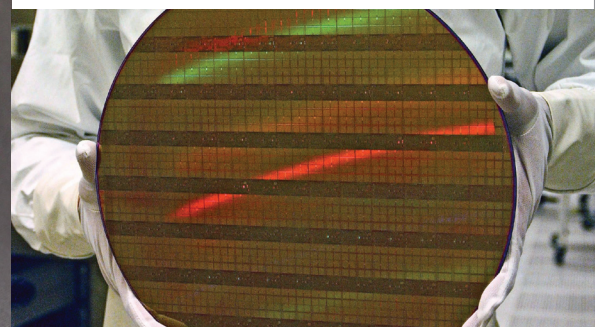
Pneumatic Actuated, 2-Way Valve (1/4", 1/2" & 3/4" Orifice)

Description

Furon Q-Valves provide a high-performance, cost-effective solution that ensure reliable fluid delivery to critical process applications. Compatible with most common installations, the Furon Q-Valve offers "drop-in" replacement as a valve upgrade in new or existing applications. The Q-Valve designed and engineered to allow easy field maintenance with simple actuator and diaphragm replacement for low cost of ownership and superior system uptime.

Applications

The Furon Q-Valve is ideal for applications that demand ultra-high-purity media handling along with the high quality and performance standards that you expect from Furon valves. Primary applications include ultra-high-purity chemical delivery for semiconductor, photovoltaic, and chemical processing. Furon Q-Valves are also proven to be highly reliable in abrasive slurry applications.



Features and Benefits

- 100% HP PFA and virgin PTFE wetted flow path
- Integrated visual position indication
- Bi-directional flow
- Leak detection port (1/4-28 UNF)
- Product has an integrated "place & turn" mounting base and may be delivered upon request with an additional snap base for optimum installation experience
- Assembled, tested and double-bagged in a clean room
- Metal-free construction
- Easy preventive maintenance
- Q-Valves have been tested for more than 3 million cycles.* **

* Please contact us or review our performance report for more details.

**Please contact us for additional testing information performed on the component.

ASK AN ENGINEER


SAINT-GOBAIN

Furon Q-Valve – Pneumatic Actuated, 2-Way Valve

Part Number	End Connection	Orifice (in.)	Port Size (in.)	A	B	C	D	E
QV2-F44-NC	FlareGrip® II	1/4	1/4	3.59 (91.2 mm)	0.52 (14.5 mm)	1.61 (40.9 mm)	3.82 (97.0 mm)	2.3 (58.4 mm)
QV2-S30044-NC	Nippon Pillar Super 300®	1/4	1/4	Please contact us				
QV2-F46-NC	FlareGrip® II	1/4	3/8	4.13 (105 mm)				
QV2-S30046-NC	Nippon Pillar Super 300®	1/4	3/8	Please contact us				
QV2-744-NC	Fusebond	1/4	1/4	4.00 (101.6 mm)				
QV2-144-NC	FNPT	1/4	1/4	2.35 (59.7 mm)	0.73 (18.5 mm)	1.85 (47.0 mm)	4.64 (117.9 mm)	2.9 (73.7 mm)
QV2-F88-NC	FlareGrip® II	1/2	1/2	4.48 (113.8 mm)				
QV2-S30088-NC	Nippon Pillar Super 300®	1/2	1/2	Please contact us				
QV2-S30088-NC	Nippon Pillar Super 300®	1/2	1/2	4.30 (109.2 mm)				
QV2-F812-NC	FlareGrip® II	1/2	3/4	5.28 (134.0 mm)				
QV2-S300812-NC	Nippon Pillar Super 300®	1/2	3/4	Please contact us				
QV2-788-NC	Fusebond	1/2	1/2	4.61 (117.0 mm)				
QV2-7812-NC	Fusebond	1/2	3/4	5.28 (134.0 mm)				
QV2-186-NC	FNPT	1/2	3/8	2.60 (66.0 mm)				
QV2-188-NC	FNPT	1/2	1/2	2.60 (66.0 mm)				
QV2-F1212-NC	FlareGrip® II	3/4	3/4	6.09 (154.8 mm)	0.97 (24.6 mm)	2.74 (69.5 mm)	6.67 (169.4 mm) Closed 7.16 (181.9 mm) Open	3.47 (88.1 mm)
QV2-S3001212-NC	Nippon Pillar Super 300®	3/4	3/4	Please contact us				
QV2-F1216-NC	FlareGrip® II	3/4	1	5.71 (145.0 mm)				
QV2-S3001216-NC	Nippon Pillar Super 300®	3/4	1	Please contact us				
QV2-71212-NC	Fusebond	3/4	3/4	5.75 (146.0 mm)				
QV2-71216-NC	Fusebond	3/4	1	5.75 (145.0 mm)				

Ordering & Technical Specifications

	1/4" Orifice	1/2" Orifice	3/4" Orifice
Operating Pressure	80 psig (5.5 bar)	80 psig (5.5 bar)	80 psig (5.5 bar)
Back Pressure	80 psig (5.5 bar)	80 psig (5.5 bar)	80 psig (5.5 bar)
Pilot Pressure	60 psig (4.1 bar) Min to 100 psig (6.8 bar) Max		
Flow	C _v 0.8	C _v 3.5	C _v 9.4
Base Plate	1115349	1115706	1115708
Tool Kit	1112226	1112227	1112228
Actuator Repair Kit-NC	1113962	1113966	1113970
Diaphragm Repair Kit	1113974	1113975	1113976
Operating Temperature	Ambient: 0°C to 60°C (32°F to 140°F) Media: 0°C to 95°C (32°F to 203°F)		
Body	High-Purity PFA		
Diaphragm	Modified PTFE		
Actuator Components & Mounting Base	Engineered Plastics		
Sample of Performance Test**	HCl for more than 2.1 million cycles; HF for more than 2.1 million cycles; Slurry for more than 1.2 million cycles		

Flow is calculated using QV2-F46-NC, QV2-F812-NC and QV2-F1216. When using smaller orifice connections flow will be reduced accordingly. Multi and quarter-turn versions are also available.

* [Please consult factory](#) or review our performance report for more details.

** [Please consult factory](#) for additional testing information performed on the component.

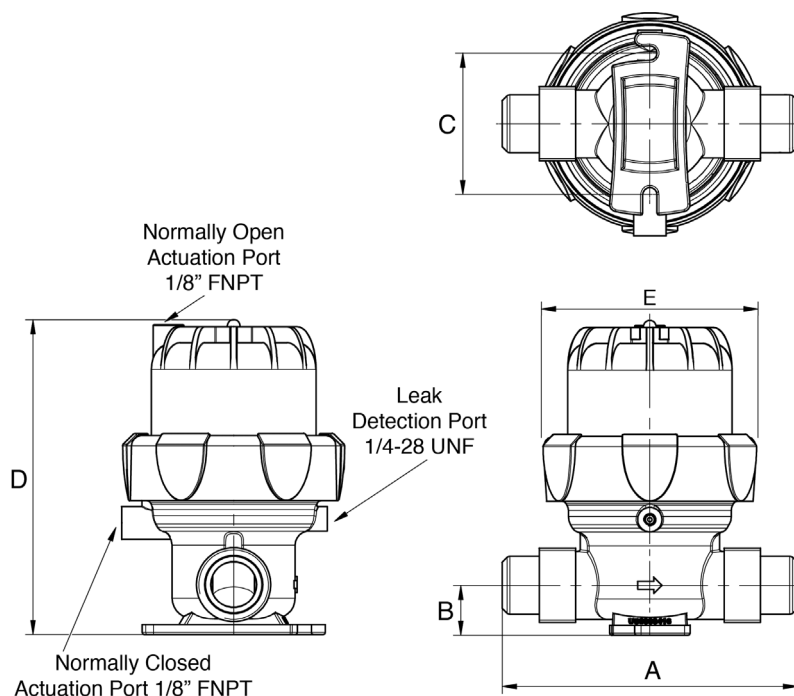
Options

- Normally Open Versions - Change NC to NO
- PFA Flare nuts (add -3)
- Valve directly equipped with base plate (add -100)
- Dual Action Version
- Other connection types (tube ends, Nippon Pillar Super 300®)

[Please consult our engineers](#) for details.

Furon Q-Valve - Pneumatic Actuated, 2-Way Valve

Drawings



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