

FURON®
Pure Performance

Furon® CDV Valve

Pneumatically Actuated, 2-Way Valve (1/2" Orifice)

Description

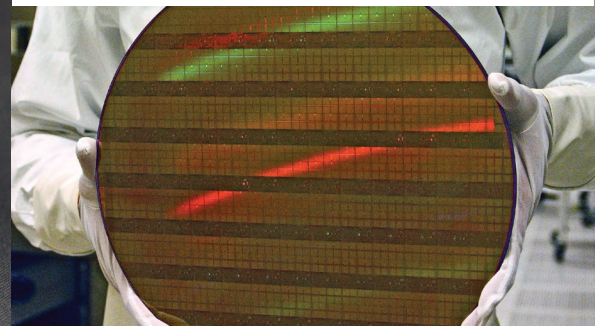
Pneumatically actuated, 2-way diaphragm valve for reliable on/off control.

Furon CDV Valves are engineered to handle the most aggressive and corrosive ultra-high purity media while maintaining the highest level of media purity. Featuring a compact footprint with common port height among all configurations, Furon CDV Valves allow for ease of installation and optimum use of precious space. Additionally, Furon CDV Valves feature flow paths specially designed to minimize entrapment of liquids within the valve.

Applications

Furon CDV Valves are ideal for use in the semiconductor industry, or other applications requiring high purity and/or superior chemical resistance.

- Designed for use in ultrapure deionized water and aggressive chemical applications
- Suitable for use in abrasive slurry
- Market applications include Semiconductor, Flat Panel, Photovoltaic and Chemical Processing



Features and Benefits

- Injection molded, ultra high-purity, PFA-wetted flow path with virgin PTFE diaphragm
- Visual position indication with provision for fiber optic position sensor
- Patented diaphragm technology
- Uniform modular design ideally suited for customized manifold configurations
- Common port height among all configurations simplifies installation
- CDV valve designs have been successfully tested for more than 1 million cycles

ASK AN ENGINEER


SAINT-GOBAIN

Furon CDV Valve

Part Number	Flow Path	End Connection	Orifice (in.)	Port Size (in.)	A
CDV2-788-NC	Normally Closed	Fusebond™	1/2	1/2	3.9" (99.6 mm)
CDV2-788-NO	Normally Open	Fusebond	1/2	1/2	3.9" (99.6 mm)
CDV2-F812-NC	Normally Closed	Flaregrip® II	1/2	3/4	5.0" (127.0 mm)
CDV2-F812-NO	Normally Open	Flaregrip II	1/2	3/4	5.0" (127.0 mm)
CDV2-F88-NC	Normally Closed	Flaregrip II	1/2	1/2	4.5" (116.3 mm)
CDV2-F88-NO	Normally Open	Flaregrip II	1/2	1/2	4.5" (116.3 mm)
CDV2-S30088-NO	Normally Open	Super 300®	1/2	1/2	3.2" (81.28 mm)
CDV2-S30088-NC	Normally Closed	Super 300	1/2	1/2	3.2" (81.28 mm)

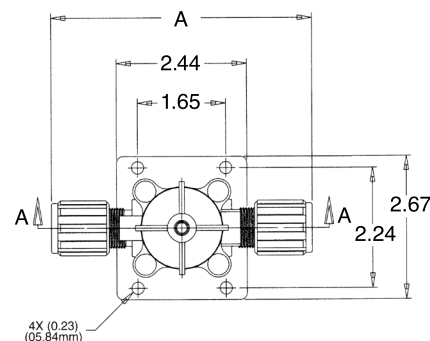
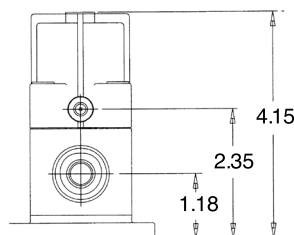
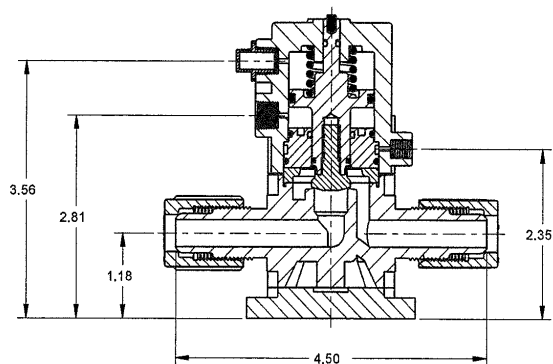
Ordering & Technical Specifications

Operating Pressure	80 psig (5.5 bar)
Back Pressure	80 psig (5.5 bar)
Flow	C _v 3.0
Operating Temperature	203° F (95° C)
Actuator Pressure	60 - 90 PSIG (4.1 - 6.2 Bar)
Body	Molded PFA
Diaphragm	PTFE
Actuator Housing	Polypropylene

HCl more than 1.1 million cycles
HF more than 1.8 million cycles

Standard Options

- PFA Flare nuts (add -3)
- Other end connection types available. [Please consult factory](#) for:
FNPT
Pipe
Tube End
Others not listed
- Stroke limiters:
Restricted Open (add -REO)
Restricted Closed (add -REC)
Restricted both (add -REB)
- Fiber optic position sensor
- DI Micro-Adjust Bypass
- Lock-Out, Tag-Out (LOTO)Toggle
- Custom manifolds



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