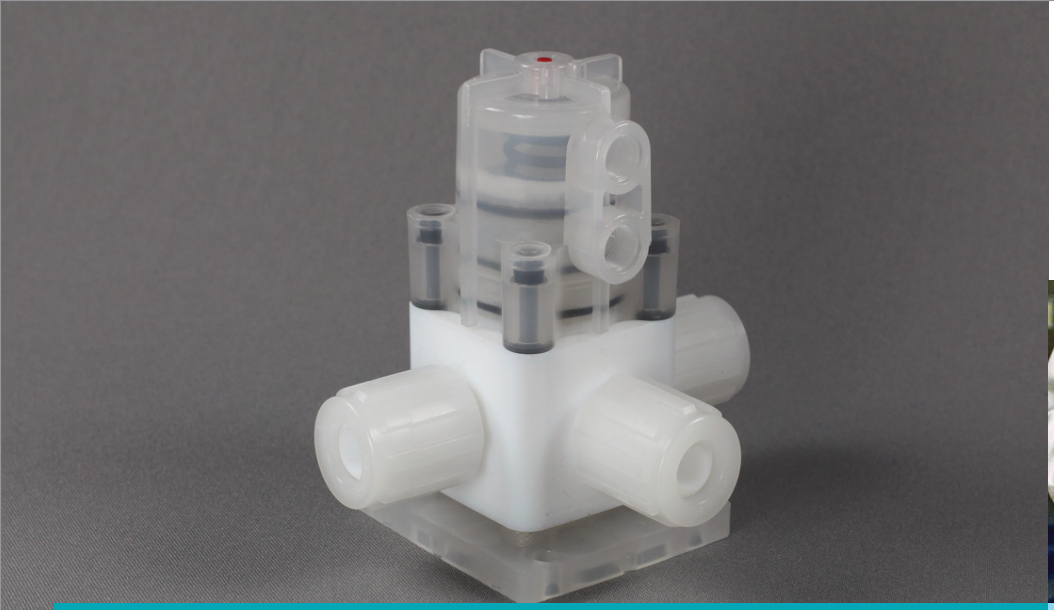
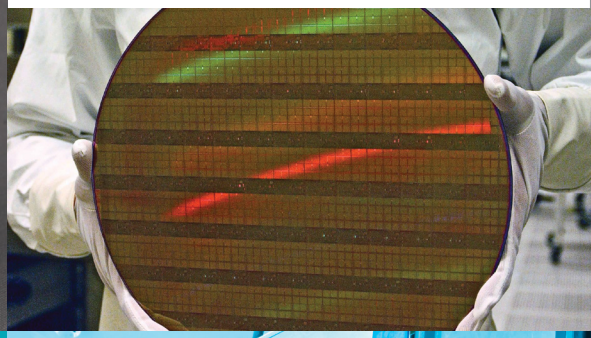


FURON®
Pure Performance



Furon® CDV Valve



Pneumatically Actuated, 3-Way Valve (1/2" Orifice)

Description

Pneumatically actuated, 3-way diaphragm valve.

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

- Compact design
- High purity, virgin PTFE wetted flow path and diaphragm
- No exposed metallics
- Leak detection capability
- Visual position indication with provision for fiber optic position sensor
- High back-pressure capability
- Uniform modular design ideally suited for customized manifold configurations
- CDV valve designs have been successfully tested for more than 1 million cycles

ASK AN ENGINEER

SAINT-GOBAIN

Furon® CDV Valve

www.furon.com

Furon CDV Valve - Pneumatically Actuated, 3-Way

Part Number	End Connection	Orifice (in)	Port Size (in)	A
CDV3-F88	FlareGrip® II	1/2	1/2	4.5" (114.3 mm)
CDV3-F812	FlareGrip® II	1/2	3/4	4.8" (121.9 mm)
CDV3-S30088	Nippon Pillar Super 300®	1/2	1/2	Please contact us
CDV3-S300812	Nippon Pillar Super 300®	1/2	3/4	Please contact us

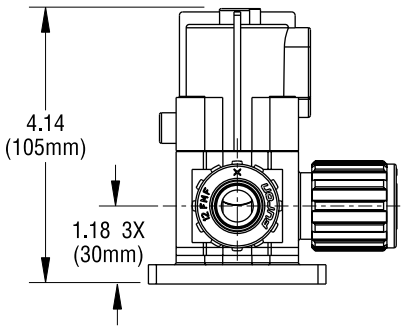
Ordering & Technical Specifications

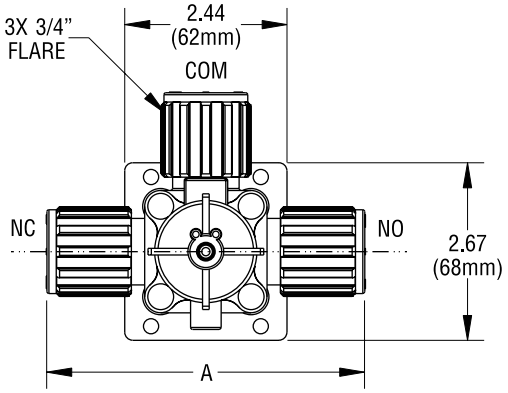
Operating Pressure	80 psig (5.5 bar)
Back Pressure	80 psig (5.5 bar)
Flow	C_V 3.0
Max. Operating Temperature	Ambient: 122°F (50°C) Media: 203°F (95°C)
Actuator Pressure	60 – 90 PSIG (4.1 – 6.2 Bar)
Body	PTFE
Diaphragm	PTFE
Actuator Housing	Polypropylene

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

Options

- PFA Flare nuts (add -3)
- Other end connection types available. Please consult factory for:
  - FNPT
  - Pipe
  - Tube End
  - Others not listed
- Fiber optic position sensor
- Custom manifolds
- Alternative flow paths





SAINT-GOBAIN

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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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