



FURON®
Pure Performance

Furon® CDV Valve

Manually Actuated, 3-Way Multi-Turn Valve (1/2" Orifice)

Description

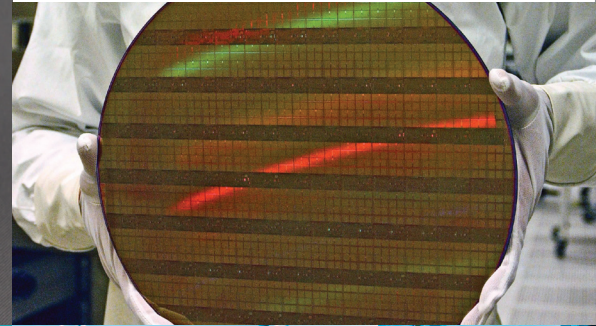
Manually actuated, 3-way, multi-turn diaphragm valve for regulation of flow.

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

- High-purity, virgin PTFE wetted flow path and diaphragm
- Visual position indication with provision for fiber optic position sensor
- High back-pressure capability
- Uniform modular design ideally suited for customized manifold configurations
- Panel mount option standard
- CDV valve designs have been successfully tested for more than 1 million cycles

ASK AN ENGINEER


SAINT-GOBAIN

Furon CDV Valve

Part Number	End Connection	Orifice (in.)	Port Size (in.)	A
CDV3-F88-MT	FlareGrip® II	1/2	1/2	4.5" (114.3 mm)
CDV3-F812-MT	FlareGrip® II	1/2	3/4	4.8" (121.9 mm)

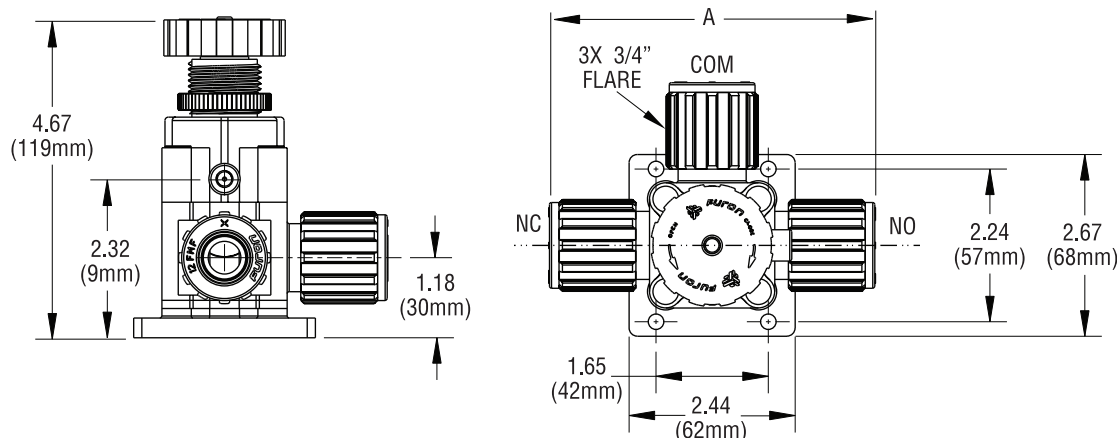
Ordering & Technical Specifications

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)
Body	PTFE
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
- Custom manifolds
- Alternative flow paths



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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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