



# Furon<sup>®</sup> CDV Valve

## Manual Toggle Actuated, 2-Way (1/2" Orifice)

### Description

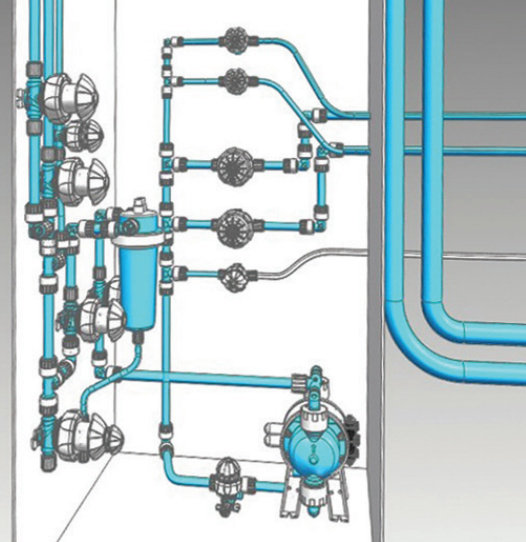
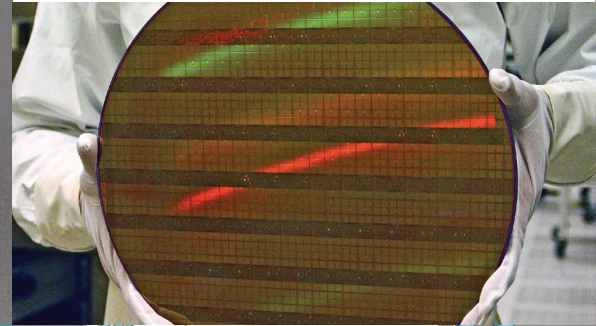
Manual toggle actuated, 2-way diaphragm valve for precise on/off control.

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
- Panel mount option standard
- High back-pressure capability
- Patented diaphragm technology
- Uniform modular design ideally suited for customized manifold configurations
- Suitable for high back-pressure applications
- CDV valve designs have been successfully tested for more than 1 million cycles

ASK AN ENGINEER

## Furon CDV Valve - Manually Actuated, 2-Way Toggle

Part Number	End Connection	Orifice (in.)	Port Size (in.)	A
CDV2-F88-TG	FlareGrip® II	1/2	1/2	4.5" (114.3 mm)
CDV2-F812-TG	FlareGrip® II	1/2	3/4	5.0" (127.0 mm)
CDV2-788-TG	FuseBond™	1/2	1/2	3.9" (99.0 mm)
CDV2-S30088-TG	Nippon Pillar Super 300®	1/2	1/2	4.9" (124.5 mm)
CDV2-S300812-TG	Nippon Pillar Super 300®	1/2	3/4	Please contact us

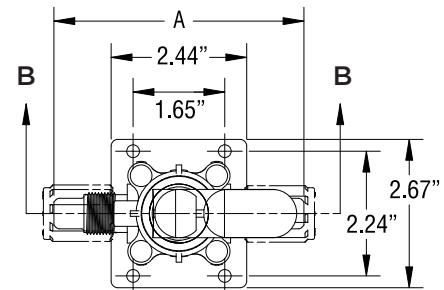
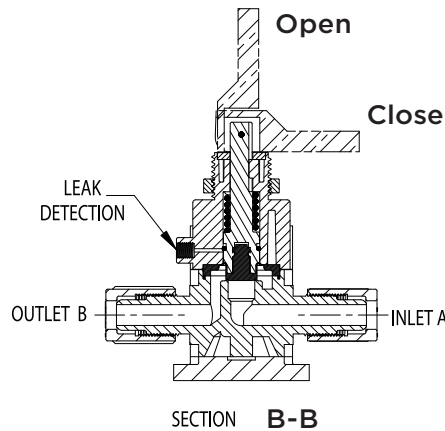
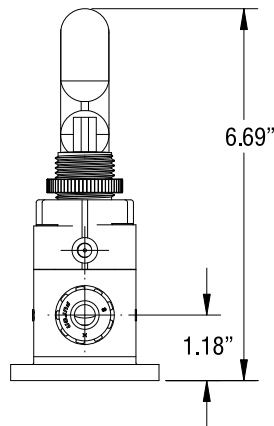
### Ordering & Technical Specifications

Operating Pressure	80 psig (5.5 bar)
Back Pressure	80 psig (5.5 bar)
Flow	C <sub>v</sub> 3.0
Operating Temperature	203° F (95° C)
Body	PFA
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
- Custom manifolds



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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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