

# Furon<sup>®</sup> J-Valve

## Manually Actuated, 2-Way Valve

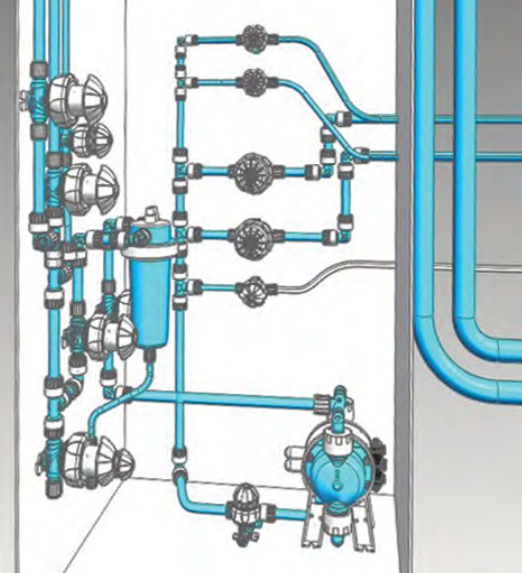
### Description

Manually actuated, 2-way diaphragm valve for regulation of flow.

Furon<sup>®</sup> J-Valves are robust in design, offering superior performance applications involving aggressive chemistries or abrasive slurries. Our J-Valves feature a high  $C_v$  flow factor in a small footprint, and also provide capability for operating in high back pressure applications. Wetted parts are 100% injection molded high-purity PFA with virgin PTFE diaphragm, assuring the ultimate in high purity and resistance to the most aggressive media. A fully swept flow path allows for complete drain down of media with no hold-up volume. Additionally, Furon<sup>®</sup> J-Valves are lifecycle tested to over two million cycles, assuring superior reliability in process-critical applications.

### Applications

- Chemical distribution systems in the Semiconductor industry
- Ultrapure deionized water applications
- Suitable for use in abrasive slurry
- Applications requiring high back pressure (up to 85 PSIG) and/or high flow (7.2  $C_v$ )

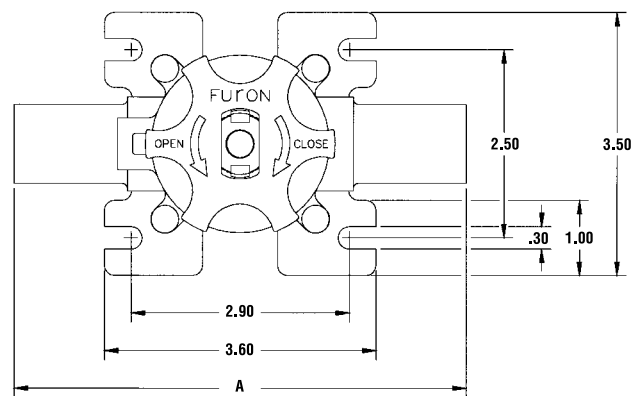
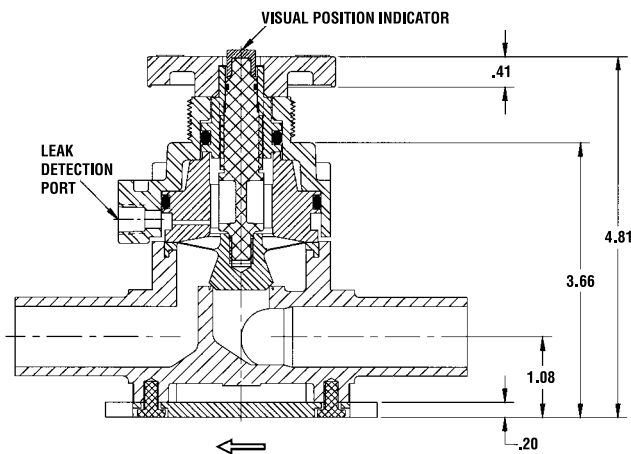


### Features and Benefits

- Lifecycle tested to 2 million cycles
- Pressure rated to 85 PSIG (5.7 bar)
- Maximum flow rating of 7.2  $C_v$
- High Purity PFA and PTFE wetted components
- Fully swept flow path supports no hold up volume
- Visual position indicator
- Leak detection port

## Furon® J-Valve

Part Number	Flow Path	End Connection	Orifice (in.)	Port Size (in.)	A
JV2-FI2I2-MT-B-3	Normally Closed	FlareGrip® II	3/4	3/4	5.8" (147.3 mm)
JV2-FI2I6-MT-B-3	Normally Closed	FlareGrip® II	3/4	1	6.2" (156.2 mm)
JV2-7I2I2-MT-B	Normally Closed	FuseBond™	3/4	3/4	6.0" (152.4 mm)
JV2-7I2I6-MT-B	Normally Closed	FuseBond™	3/4	1	8.24" (209.3 mm)
JV2-S300I2I2-MT-B-3	Normally Closed	Super 300®	3/4	3/4	6.7" (169.7 mm)
JV2-S300I2I6-MT-B-3	Normally Closed	Super 300®	3/4	1	7.4" (189.0 mm)

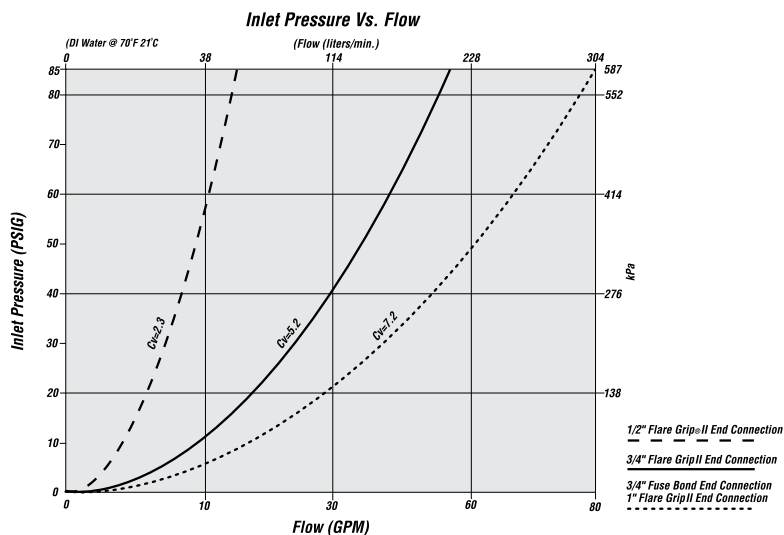


## Ordering & Technical Specifications

Operating Pressure	85 psig (5.7 bar)
Back Pressure	85 psig (5.7 bar)
Flow	C <sub>v</sub> 5.2 – 7.2
Operating Temperature	203°F (95°C)
Body	PFA
Diaphragm	Modified PTFE
Actuator Housing	Polypropylene

## Standard Options

- Other end connection types available:
  - FNPT
  - Pipe
  - Tube End
  - Others not listed
- Custom manifolds



### Saint-Gobain Performance Plastics

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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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 FuseBond™ is a trademark.