



# Furon® InLine Valve

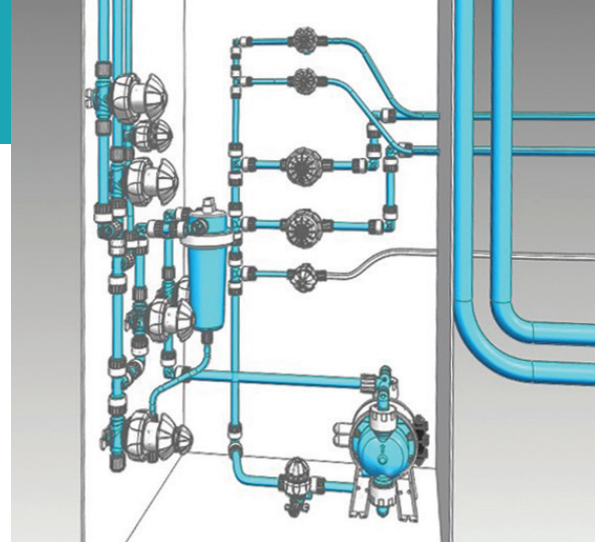
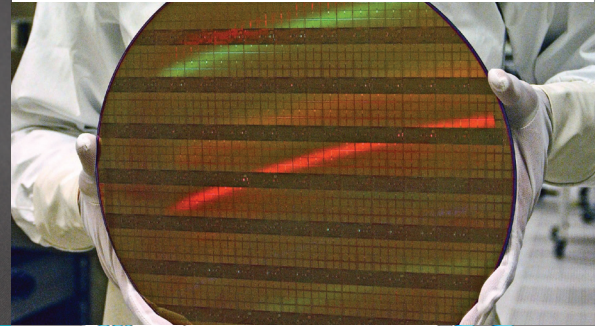
## Pneumatic or Manually Actuated 2-Way Valve

### Description

Furon InLine Valves are high-purity, injection molded valves designed to provide unparalleled high flow performance coupled with an ultra compact footprint. Our patented rolling diaphragm technology ensures long life and enables a high pressure rating coupled with a visual position indicator for added safety. Incorporating our innovative single seal union end fittings to the Furon InLine Valve offers the advantages of a welded system with the ability to rapidly change out components while eliminating dead volume and elastomeric contamination.

### Applications

- Bulk Chemical Delivery Systems and Chemical Distribution Systems in Semiconductor fabs
- Chemical processing applications
- Ultrapure deionized water applications
- Suitable for use in abrasive slurry
- Applications requiring high back pressure (up to 100 PSIG / 5.5 bar)



### Features and Benefits

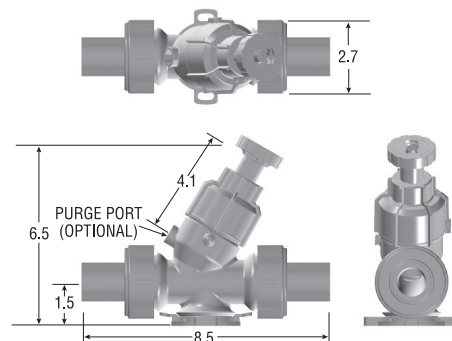
- True 1" Orifice
- 100% PFA HP and Virgin PTFE wetted flow path
- High Flow Factor, Cv 15
- Patented rolling diaphragm technology
- Fully Swept, Low Shear internal flow path
- No exposed metallics
- Visual Position Indicator standard on manual and pneumatic versions
- InLine Valve designs have been successfully tested for more than 1 million cycles

ASK AN ENGINEER

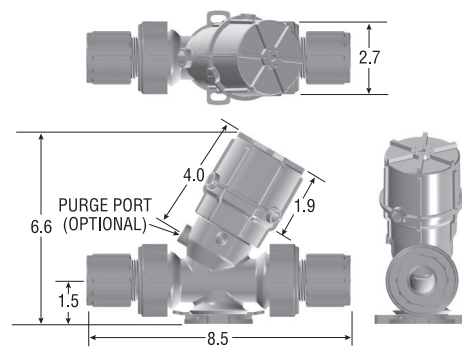
## Furon InLine Valve

Part Number	Actuation	Flow Path	End Connection	Orifice (in.)	Port Size (in.)
INL2-F1612NC	Pneumatic	Normally Closed	FlareGrip® II	1	3/4
INL2-F1612NO	Pneumatic	Normally Open	FlareGrip® II	1	3/4
INL2-F1616NC	Pneumatic	Normally Closed	FlareGrip® II	1	1
INL2-F1616NO	Pneumatic	Normally Open	FlareGrip® II	1	1
INL2-F1620NC	Pneumatic	Normally Closed	FlareGrip® II	1	1-1/4
INL2-F1620NO	Pneumatic	Normally Open	FlareGrip® II	1	1-1/4
INL2-71616NC	Pneumatic	Normally Closed	FuseBond™	1	1
INL2-71616NO	Pneumatic	Normally Open	FuseBond™	1	1
INL2-F1612MT	Multi-Turn	Manual	FlareGrip® II	1	3/4
INL2-F1616MT	Multi-Turn	Manual	FlareGrip® II	1	1
INL2-F1620MT	Multi-Turn	Manual	FlareGrip® II	1	1-1/4
INL2-71616MT	Multi-Turn	Manual	FuseBond™	1	1

## Furon InLine Manual (with 1" FuseBond Fitting)



## Furon InLine Pneumatic (with 1" Fine Thread Fitting)

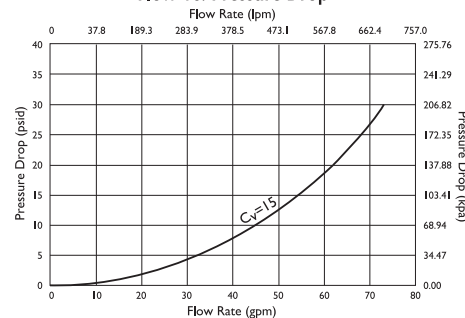


## Operating Specifications

Operating Pressure	100 psig (6.9 bar)
Back Pressure	100 psig (6.9 bar)
Flow	Cv up to 15
Operating Temperature	212° F (100° C)
Actuator Pressure (pneumatic version)	60-90 PSIG (4.1-6.2 bar)
Body	PFA
Diaphragm	PTFE
Actuator Housing	Polypropylene
Spare/PM Kit	Pneumatic Normally Closed: 1112548 Pneumatic Normally Open: 1112975 Manual Multi-Turn: 1112550

HCl more than 450 thousand cycles

## Flow Vs. Pressure Drop



## Saint-Gobain Performance Plastics

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