



Furon® InLine Valve

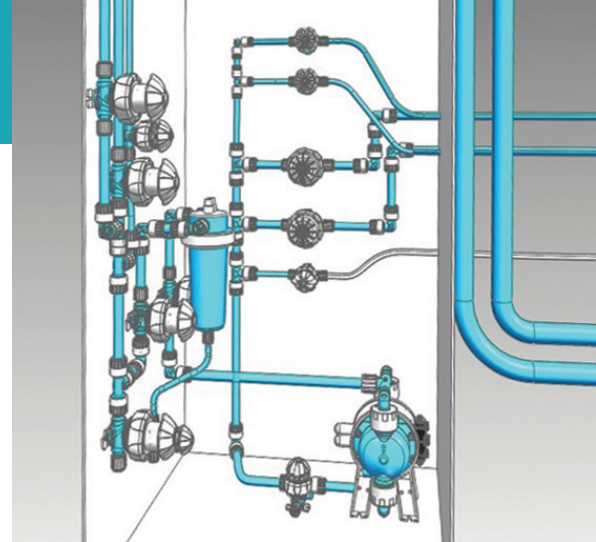
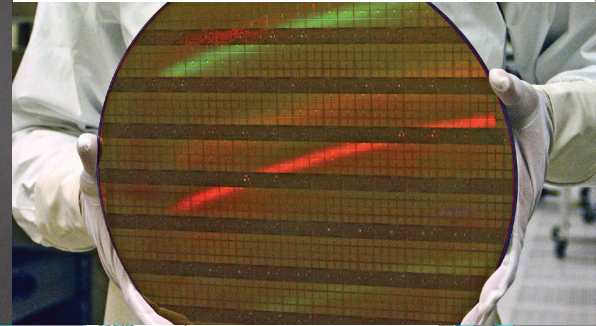
Pneumatic or Manually Actuated 2-Way Valve

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

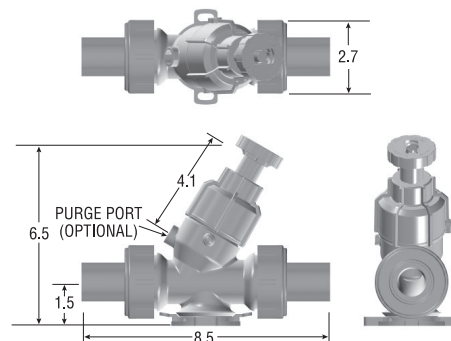
- True 1" Orifice
- 100% PFA HP and Virgin PTFE wetted flow path
- High Flow Factor, Cv 15
- Patented rolling diaphragm technology
- Fully Swept, Low Shear internal flow path
- No exposed metallics
- Visual Position Indicator standard on manual and pneumatic versions
- InLine Valve designs have been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

ASK AN ENGINEER

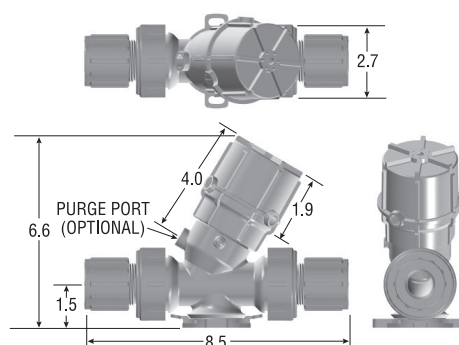
Furon InLine Valve

Part Number	Actuation	End Connection	Orifice (in.)	Port Size (in.)
INL2-F1612-NC	Pneumatic - Normally Closed	FlareGrip® II	1	3/4
INL2-F1612-NO	Pneumatic - Normally Open	FlareGrip® II	1	3/4
INL2-F1616-NC	Pneumatic - Normally Closed	FlareGrip® II	1	1
INL2-F1616-NO	Pneumatic - Normally Open	FlareGrip® II	1	1
INL2-F1620-NC	Pneumatic - Normally Closed	FlareGrip® II	1	1-1/4
INL2-F1620-NO	Pneumatic - Normally Open	FlareGrip® II	1	1-1/4
INL2-71616-NC	Pneumatic - Normally Closed	FuseBond™	1	1
INL2-71616-NO	Pneumatic - Normally Open	FuseBond™	1	1
INL2-F1612-MT	Manual - Multi-Turn	FlareGrip® II	1	3/4
INL2-F1616-MT	Manual - Multi-Turn	FlareGrip® II	1	1
INL2-F1620-MT	Manual - Multi-Turn	FlareGrip® II	1	1-1/4
INL2-71616-MT	Manual - Multi-Turn	FuseBond™	1	1
INL2-S3001612-NC	Pneumatic - Normally Closed	Nippon Pillar Super 300°	1	3/4
INL2-S3001612-NO	Pneumatic - Normally Open	Nippon Pillar Super 300°	1	3/4
INL2-S3001616-NC	Pneumatic - Normally Closed	Nippon Pillar Super 300°	1	1
INL2-S3001616-NO	Pneumatic - Normally Open	Nippon Pillar Super 300°	1	1
INL2-S3001620-NC	Pneumatic - Normally Closed	Nippon Pillar Super 300°	1	1-1/4
INL2-S3001620-NO	Pneumatic - Normally Open	Nippon Pillar Super 300°	1	1-1/4
INL2-S3001612-MT	Manual - Multi-Turn	Nippon Pillar Super 300°	1	3/4
INL2-S3001616-MT	Manual - Multi-Turn	Nippon Pillar Super 300°	1	1
INL2-S3001620-MT	Manual - Multi-Turn	Nippon Pillar Super 300°	1	1-1/4

Furon InLine Manual
(with 1" FuseBond Fitting)



Furon InLine Pneumatic
(with 1" Fine Thread Fitting)

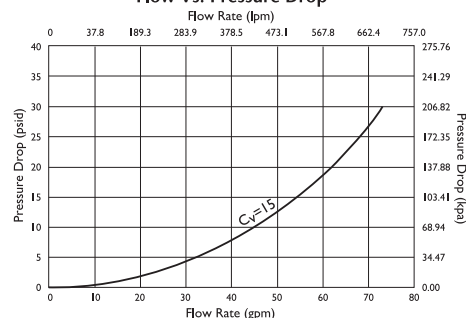


Operating Specifications

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



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