

Furon[®] HPVM Valve

Pneumatically Actuated, 2-Way Valve (3/16" & 1/4" Orifice)

Description

Pneumatically actuated, 2-way diaphragm valve for reliable on/off control.

Furon[®] HPVM Valves are compact and robust, offering superior performance and reliability in applications involving aggressive chemistries or abrasive slurries. Featuring a compact footprint with common port height among all configurations, Furon[®] HPVM Valves allow for ease of installation and optimum use of precious space. Additionally, Furon[®] HPVM valves feature flow paths specially designed to minimize entrapment of liquids within the valve.

Applications

Furon[®] HPVM 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

- Pressure rated to 80 PSIG (5.5 bar)
- Visual position indicator with option for fiber-optic sensor
- Integral mounting base with top or bottom mount standard
- High purity PFA injection molded body with PTFE diaphragm
- Common port height among all HPVM configurations simplifies installation
- HPVM valve designs have been successfully tested for more than 1 million cycles

ASK AN ENGINEER

Furon HPVM-Valve

Part Number	Flow Path	End Connection	Orifice (in.)	Port Size (in.)	A
HPVM2-744-NC	Normally Closed	FuseBond™	1/4	1/4	1.6 (42.2 mm)
HPVM2-F34-NC	Normally Closed	FlareGrip® II	3/16	1/4	3.5 (89.9 mm)
HPVM2-F46-NC	Normally Closed	FlareGrip	1/4	3/8	3.7 (95.3 mm)
HPVM2-S30044-NC	Normally Closed	Super 300®	1/4	1/4	4.2 (102.2 mm)
HPVM2-S30046-NC	Normally Closed	Super 300	1/4	3/8	4.4 (113.3 mm)
HPVM2-744-NO	Normally Open	FuseBond	1/4	1/4	1.6 (42.2 mm)
HPVM2-F34-NO	Normally Open	FlareGrip II	3/16	1/4	3.5 (89.9 mm)
HPVM2-F46-NO	Normally Open	FlareGrip II	1/4	3/8	3.7 (95.3 mm)
HPVM2-S30044-NO	Normally Open	Super 300	1/4	1/4	4.2 (102.2 mm)
HPVM2-S30046-NO	Normally Open	Super 300	1/4	3/8	4.4 (113.3 mm)

Ordering Specifications

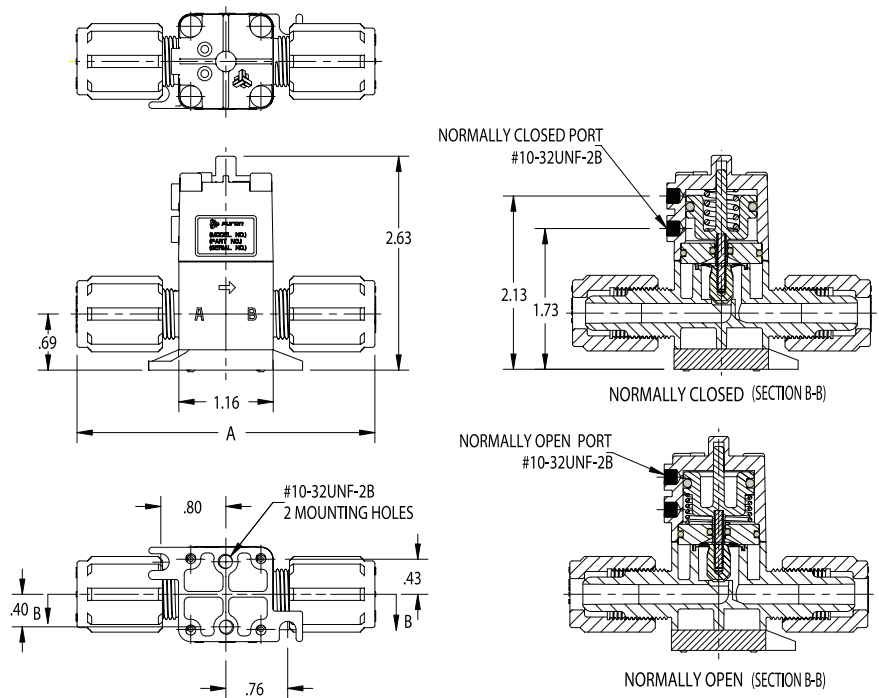
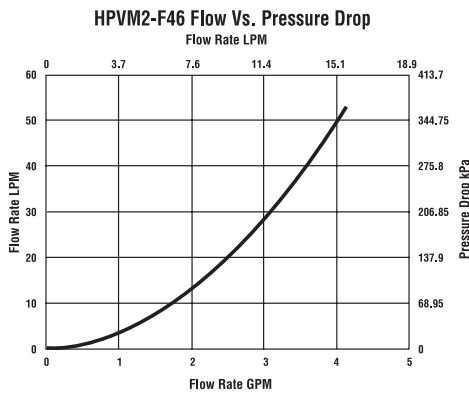
Operating Pressure	80 psig (5.5 bar)
Back Pressure	80 psig (5.5 bar)
Flow	C _v 0.70
Operating Temperature	203°F (95°C)
Actuator Pressure	60 - 100 PSIG (4.1 - 6.9 bar)
Body	PFA or PTFE
Diaphragm	PTFE
Actuator Housing	Polypropylene

HCl more than 2.1 million cycles
HF more than 2.1 million cycles
Slurry more than 1.6 million cycles

Standard Options

- PFA Flare nuts (add-3)
- Other end connection types available:
 - FNPT
 - Pipe
 - Tube End
- Fiber optic position sensor
- Stainless steel actuation port insert (#10-32)
- DI Micro-adjust bypass
- Stroke limiter
- Custom manifolds

Please consult factory for further details >>



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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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