

Furon[®] HPVM Valve

Pneumatically Actuated, 2-Way Valve (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 - Pneumatically Actuated, 2-Way

Part Number	Actuation	End Connection	Orifice (in)	Port Size (in)	A
HPVM2-744-NC	Normally Closed	FuseBond™	1/4	1/4	1.6 in (42.2 mm)
HPVM2-744-NO	Normally Open	FuseBond™	1/4	1/4	1.6 in (42.2 mm)
HPVM2-F44-NC	Normally Closed	FlareGrip® II	1/4	1/4	3.5 in (89.9 mm)
HPVM2-F44-NO	Normally Open	FlareGrip® II	1/4	1/4	3.5 in (89.9 mm)
HPVM2-F46-NC	Normally Closed	FlareGrip® II	1/4	3/8	3.7 in (95.3 mm)
HPVM2-F46-NO	Normally Open	FlareGrip® II	1/4	3/8	3.7 in (95.3 mm)
HPVM2-S30044-NC	Normally Closed	Nippon Pillar Super 300®	1/4	1/4	2.7 in (68.58 mm)
HPVM2-S30044-NO	Normally Open	Nippon Pillar Super 300®	1/4	1/4	2.7 in (68.58 mm)
HPVM2-S30046-NC	Normally Closed	Nippon Pillar Super 300®	1/4	3/8	3.1 in (78.74 mm)
HPVM2-S30046-NO	Normally Open	Nippon Pillar Super 300®	1/4	3/8	3.1 in (78.74 mm)

Ordering Specifications

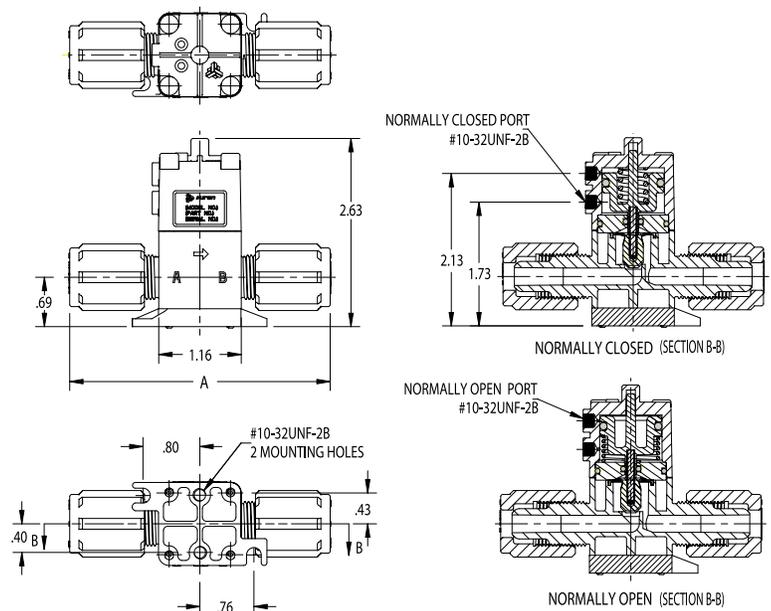
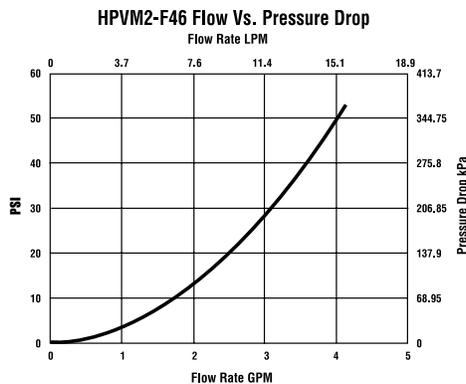
Operating Pressure	80 psig (5.5 bar)
Back Pressure	80 psig (5.5 bar)
Flow	C _v 0.70
Operating Temperature	Ambient: 32°F to 140°F (0°C to 60°C) Media: 32°F to 203°F (0°C to 95°C)
Actuator Pressure	60 – 100 PSIG (4.1 – 6.9 bar)
Body	PFA or PTFE
Diaphragm	PTFE
Actuator Housing	Polypropylene

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

Options

- PFA Flare nuts (add-3)
- Other end connection types available:
 - FNPT, Pipe and Tube End
- Fiber optic position sensor
- Stainless steel actuation port insert (#10-32)
- DI Micro-adjust bypass
- Stroke limiter
- Custom manifolds
- 3/16" Orifice Option

[Please consult factory](#) for further details >>



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