



Furon® UPM Valve

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

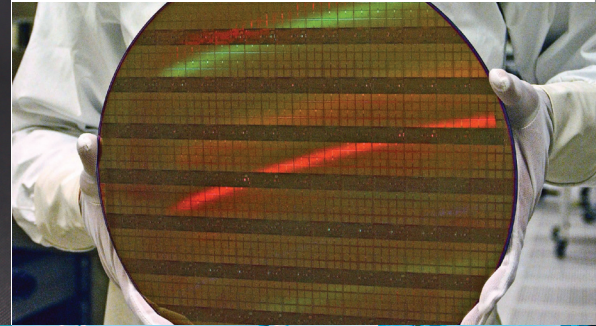
Description

Furon UPM Valves provide the ultimate in performance and reliability for your Ultra-High Purity applications. With a wetted flow path of virgin PTFE and high purity molded PFA, the UPM Valves assure compatibility with a wide range of harsh and aggressive media as well as the highest purity standards. Additionally, UPM valves offer best in class life expectancy.

Applications

Furon UPM Valves are ideal for use in the semiconductor industry, or other applications requiring ultra-high purity and/or superior chemical resistance.

- Designed for use in ultrapure deionized water and aggressive chemical applications
- Ideal for use in chemical distribution systems as well as OEM equipment
- Market applications include Semiconductor, Flat Panel, Photovoltaic, and Chemical Processing



Features and Benefits

- Superior life expectancy over competitive valves
- All virgin PTFE/high purity molded PFA wetted flow path
- Assembled and double bagged in class 100 clean room
- Optional manual lockout offers protection for maintenance stall
- No exposed metallics
- Integral swivel base for freedom and ease of mounting
- Leak detection port is standard

ASK AN ENGINEER

Furon UPM-Valve

Part Number	End Connection	Orifice (in.)	Port Size (in.)	A	B	C	ØD	E	F
UPM3-F44-VI	FlareGrip II	1/4	1/4	4.30 (109.22 mm)	1.38 (35.05 mm)	4.13 (106.90 mm)	2.12 (53.85 mm)	2.72 (69.09 mm)	2.20 (55.88 mm)
UPM3-F46-VI	FlareGrip II	1/4	3/8	4.70 (119.38 mm)					2.35 (59.69 mm)
UPM3-744-VI	FuseBond™	1/4	1/4	4.90 (124.46 mm)	1.70 (43.18 mm)	5.00 (127.0 mm)	2.90 (73.66 mm)	3.62 (91.95 mm)	2.50 (63.50 mm)
UPM3-F88-VI	FlareGrip II	1/2	1/2	5.60 (142.24 mm)					2.80 (71.12 mm)
UPM3-F812-VI	FlareGrip II	1/2	3/4	5.90 (149.86 mm)					2.95 (74.93 mm)
UPM3-788-VI	FuseBond	1/2	1/2	5.60 (142.24 mm)					2.80 (71.12 mm)
UPM3-7812-VI	FuseBond	1/2	3/4	5.90 (169.86 mm)					2.94 (74.67 mm)
UPM3-S30088-VI	Super 300®	1/2	1/2	5.50 (139.70 mm)					2.75 (69.85 mm)
UPM3-S300812-VI	Super 300	1/2	3/4	7.20 (182.88 mm)	1.90 (48.26 mm)	5.30 (134.62 mm)	3.40 (86.36 mm)	4.20 (106.68 mm)	3.60 (91.44 mm)
UPM3-F1212-VI	FlareGrip II	3/4	3/4	6.30 (160.02 mm)					3.15 (80.01 mm)
UPM3-F1216-VI	FlareGrip II	3/4	1	6.90 (175.26 mm)					3.45 (87.63 mm)
UPM3-71212-VI	FuseBond	3/4	3/4	5.90 (149.86 mm)					2.95 (74.93 mm)
UPM3-71216-VI	FuseBond	3/4	1	5.80 (147.32 mm)					2.90 (73.66 mm)
UPM3-S3001212-VI	Super 300	3/4	3/4	8.00 (203.20 mm)					4.00 (101.6 mm)

Standard Options (Please consult the factory for more details)

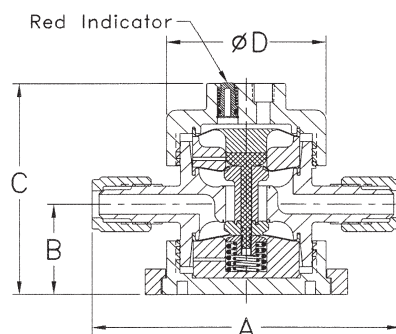
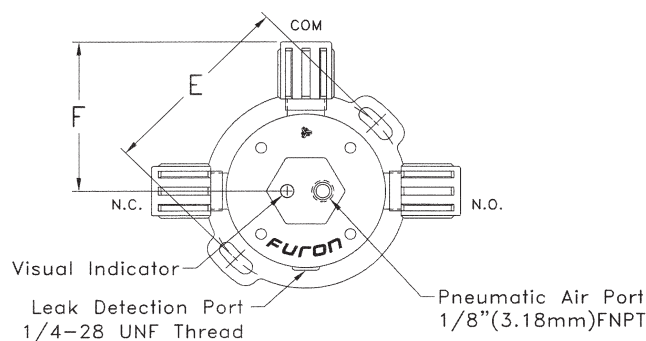
- PFA Flare nuts (add -3)
- Other end connection types available. [Please consult factory](#) for:
 - FNPT
 - Sanitary flange
 - Tube end
 - Other end connection types available. ([please consult factory](#) >>)
- Slurry version (add -SY; refer to separate datasheet)
- High temperature version, 150°C/302°F (add -HT-SB; refer to separate datasheet)
- Stroke limiter (-SL)
- DI Micro-adjust bypass (add -ADJ for knob or -ADK for screw)
- Sampling valve (UPMS version) ([please consult factory](#) >>)
- Fiber optic position sensor ([please consult factory](#) >>)

Operating Specifications

Operating Pressure*	100 psig (6.9 bar)
Back Pressure*	Up to 100 psig (6.9 bar) based on the model**
Flow	Cv 0.8 (1/4"), Cv 3.2 (1/2"), Cv 7.0 (3/4")
Operating Temperature	-63°F to 203°F (-53°C to 95°C)
Actuator Pressure	70 - 90 PSIG (4.8 - 6.2 bar)
Body	PFA
Diaphragm	Modified PTFE
Top Cap	ETFE

* At room temperature

** [Please consult factory](#) for more information.



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