



**FURON®**  
Pure Performance

# Furon® UPM Valve

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

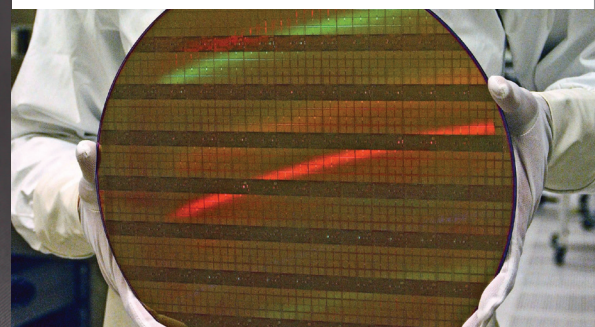
### Description

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

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**SAINT-GOBAIN**

## Furon UPM-Valve

Part Number	End Connection	Orifice (in.)	Port Size (in.)	A	B	C	ØD	E
UPM2-F44-NC-VI	FlareGrip II	1/4	1/4	4.30 (109.22 mm)	1.38 (35.05mm)	3.38 (85.85 mm)	2.12 (53.85 mm)	2.72 (69.09 mm)
UPM2-F46-NC-VI	FlareGrip II	1/4	3/8	4.70 (119.38 mm)				
UPM2-F44-NC-VI	FuseBond™	1/4	1/4	4.90 (124.46 mm)				
UPM2-F88-NC-VI	FlareGrip II	1/2	1/2	5.6 (142.24 mm)	1.70 (43.18 mm)	3.97 (100.84 mm)	2.88 (73.15 mm)	3.62 (91.95 mm)
UPM2-F812-NC-VI	FlareGrip II	1/2	3/4	5.90 (149.86 mm)				
UPM2-788-NC-VI	FuseBond	1/2	1/2	5.60 (142.24 mm)				
UPM2-7812-NC-VI	FuseBond	1/2	3/4	5.90 (149.86 mm)				
UPM2-S30088-NC-VI	Super 300®	1/2	1/2	5.50 (139.70 mm)	1.90 (48.26 mm)	4.24 (107.70 mm)	3.40 (86.36 mm)	4.20 (106.68 mm)
UPM2-S300812-NC-VI	Super 300	1/2	3/4	7.20 (182.88 mm)				
UPM2-F1212-NC-VI	FlareGrip II	3/4	3/4	6.30 (160.02 mm)				
UPM2-F1216-NC-VI	FlareGrip II	3/4	1	6.90 (175.26 mm)				
UPM2-71212-NC-VI	FuseBond	3/4	3/4	5.90 (149.86 mm)				
UPM2-7126-NC-VI	FuseBond	3/4	1	5.80 (147.32 mm)	1.90 (48.26 mm)	4.24 (107.70 mm)	3.40 (86.36 mm)	4.20 (106.68 mm)
UPM2-S3001212-NC-VI	Super 300	3/4	3/4	8.00 (203.20 mm)				

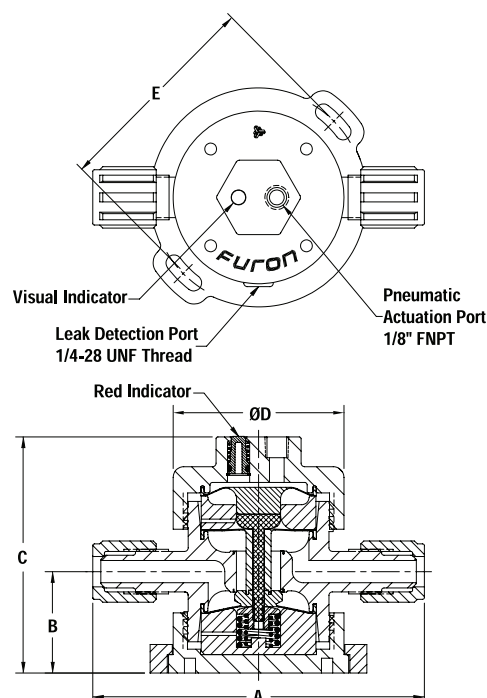
## Standard Options (Please consult the factory for more details)

- Normally Open (NO) versions (Replace NC with NO in part number)
- 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) at room temperature
Back Pressure	100 psig (6.9 bar) at room temperature
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

U.S. Patent 5,261,442



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