

Furon® UPM 1000 Diaphragm Valve, Slurry Option

Pneumatically Actuated 2-Way (3/4" Orifice)



Features/Benefits

- Superior life expectancy over competitive valves in slurry applications
- All virgin PTFE/high purity molded PFA wetted flow path
- Fully swept internal flow path
- Assembled and double bagged in Class 100 clean room
- No exposed metallics
- A unique blue visual position indicator for quick visual identification is standard
- Integral mounting base provides simple and secure mounting

Description

The Furon® UPM 1000 Slurry valve is a 2-way valve designed to meet the rigorous demands in the transfer of CMP slurries. The valve offers users the confidence and reliability that you expect in demanding applications. The UPM Slurry valve has been successfully tested and proven reliable to 500,000 cycles in Cabot Semi-Sperse® SS-25.

Applications

- Designed for primary use in the Semiconductor industry for transfer of highly aggressive CMP slurry applications
- Distribution and point of use shutoff
- Pneumatically actuated on/off valve using air pressure
- Designed to handle up to 120 PSIG (827 kPa) pressure

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Pneumatically Actuated, 2-Way, 3/4" Orifice

Ordering Information

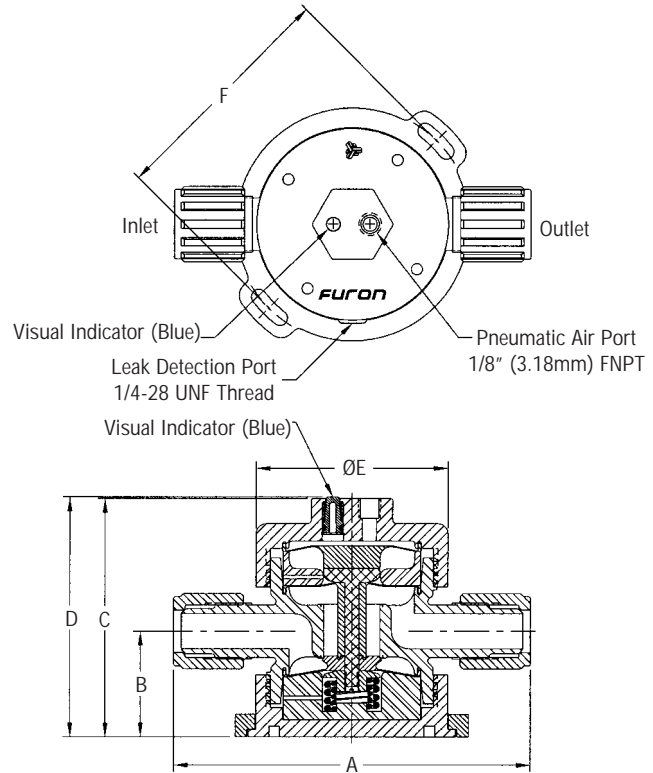
Description	Orifice	End Connection	Port Size	A	B	C	D	ØE	G
UPM2-71212NC-VI-SY	3/4"	Fuse Bond	3/4"	5.90" (149.86mm)	1.88" (47.70mm)	4.22" (107.21mm)	4.25" (107.84mm)	3.40" (86.36mm)	4.20" (106.68mm)
UPM2-71216NC-VI-SY	3/4"	Fuse Bond	1"	5.80" (147.32mm)					
UPM2-F1212NC-VI-SY	3/4"	Flare Grip II	3/4"	6.31" (160.33mm)					
UPM2-F1216NC-VI-SY	3/4"	Flare Grip II	1"	6.90" (175.26mm)					

Non-Standard Options

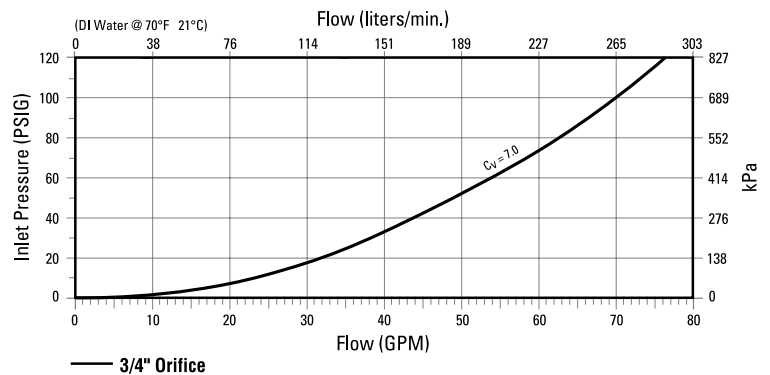
- Close couple Flare Grip® end connections for reduced footprint in multi-component systems
- Custom end connections available
- Non-standard options and custom configurations are available upon request. Please contact your local distributor or factory for part number, price and delivery

Specifications & Performance

- Ambient Operating Temperature: -63°F to 203°F (-53°C to 95°C)
- Media Operating Temperature: -63°F to 203°F (-53°C to 95°C)
- Air Actuator Pressure: 70 PSIG (483 kPa) to 100 PSIG (689 kPa)
- Maximum Forward Pressure ±: 120 PSIG (827 kPa) @ room temperature
- Maximum Back Pressure ±: 120 PSIG (827 kPa) @ room temperature



Inlet Pressure Vs Flow**



Notes

- * When selecting Flare Grip® II ends, we recommend end connections that are larger than the valve orifice size in order to achieve full flow.
 - ** Calculated performance data.
- This product is Class 100 clean room assembled and double bagged.

Saint-Gobain Performance Plastics

7301 Orangewood Avenue
 Garden Grove, CA 92841-1411
 Tel: (714) 630-5818
 Fax: (714) 688-2614
 USA Toll Free: (800) 833-5661

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 Flare Grip® is a registered trademark.



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