

# Furon<sup>®</sup> & AstiPure<sup>™</sup> Slurry Fluid Handling Applications

If you require the maximum system uptime in your CMP slurry system look no further! Saint-Gobain Performance Plastics offers a wide range of Furon<sup>®</sup> and AstiPure<sup>™</sup> brand products designed for semiconductor CMP slurry applications. Furon slurry valves and AstiPure slurry pumps are ideally suited for even the most aggressive CMP applications. Superior designs and advanced materials to provide the highest level of performance and long life maximizing your process uptime. Combining years of engineering expertise with high-purity PFA and PTFE construction, our valves and pumps are the perfect choice for the most aggressive chemical, solvent, and slurry. When reliability, performance and system purity are critical, Furon<sup>®</sup> and AstiPure<sup>™</sup> brand products are the ultimate solution.



- ◆ *Improved Slurry Life*
- ◆ *Maximum System Up-time*
- ◆ *Semi F57 Compliant*



# Furon® & AstiPure™ Slurry Fluid Handling Applications



## Specifications and Performance

### UPM Slurry 2-Way & 3-Way

Maximum Operating Temperature:	203°F (95°C)
Maximum Forward and Back Pressure:	2-way: 120 PSIG ; 3-way: 120 PSIG (Forward) / 40 PSIG (Back)
Cv Flow Factor:	7.0 (3/4" Orifice)
Actuation Type:	Pneumatic: NC, NO; Manual: Multi-turn, Quarter turn
End Connection Style:	Flare Grip II, Fuse Bond
End Connection Size:	1/2", 3/4", 1"
Orifice Size:	1/2", 3/4"



## Specifications and Performance

### J-Valve

Maximum Operating Temperature:	203°F (95°C)
Maximum Media Operating Pressure:	85 PSIG
Cv Flow Factor:	7.2
Actuation Type:	Pneumatic NC, NO; Manual: Multi-turn
End Connection Style:	Flare Grip II, Fuse Bond, Super 300 Type Pillar Fitting
End Connection Size:	3/4", 1"
Orifice Size:	3/4"



## Specifications and Performance

### CDV

Maximum Operating Temperature (to Siphon):	120°F (50°C)
Maximum Media Operating Pressure:	90 PSIG
Cv Flow Factor:	Pneumatic: 2.0; Manual: 2.7
Actuation Type:	Pneumatic NC, NO; Manual: Multi-turn, Toggle
End Connections Style:	Flare Grip II, Fuse Bond, Super 300 Type Pillar Fitting
End Connection Size:	1/2", 3/4"
Orifice Size:	1/2"



## Specifications and Performance

### HPVM 2-Way & 3-Way

Maximum Operating Temperature:	176°F (80°C)
Maximum Media Operating Pressure:	80 PSIG
Cv Flow Factor:	0.7-1.0
Actuation Type:	Pneumatic: NC, NO; Manual: Multi-turn, Quarter turn
End Connection Style:	Flare Grip II, Fuse Bond, Super 300 Type Pillar Fitting
End Connection Size:	1/4", 3/8"
Orifice Sizes:	3/16", 1/4"



## Specifications and Performance

### PRS1 PRS2 PRS3 PFS4

Maximum Operating Temperature:	32°F (0°C) up to 212°F (100°C)			
Flow Rate GPM/LPM:	0-2.5 GPM (0-10 LPM)	0-5 GPM (0-20 LPM)	0-13 GPM (0-50 LPM)	0-26 GPM (0-100 LPM)
Maximum Suction Head:	10 ft. (3m)	11.5 ft. (3.5m)	16.5 ft. (5m)	13 ft. (4m)
Maximum Air Pressure:	72.5 PSI (5bar)			
Maximum Back Pressure:	58 PSI (4bar)			
Maximum Air Consumption:	6 SCFM (10 m³/h)	8 SCFM (13.5 m³/h)	12 SCFM (20 m³/h)	23.5 SCFM (40 m³/h)

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

Saint-Gobain Performance Plastics-France  
41 Boulevard des Bouvets  
Nanterre F-92000, France  
Tel: 33/(0) 1 55 68 59 59  
Fax: 33/(0) 1 55 68 59 68



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