

Furon[®] & AstiPure[™] High Temperature Fluid Handling Applications

If you are looking to gain a technical edge in a demanding industry, Saint-Gobain Performance Plastics offers a solution: Furon[®] and AstiPure[™] high temperature valves and pumps. Our high-temperature fluid handling products raise the bar in performance by providing improved efficiency, reduced defectivity, and an increase in wafer throughput. Combining materials knowledge with years of engineering expertise and proven designs, Furon[®] valves and AstiPure[™] Pumps are ideally suited for the demanding requirements of the semiconductor, pharmaceutical, and photovoltaic industries. In applications where reliability and performance are critical, Furon[®] valves and AstiPure[™] pumps are the ultimate solution.



- ◆ *Optimal Safety*
- ◆ *Excellent Reliability*
- ◆ *Increased Up-time*



Furon® & AstiPure™ High Temperature Fluid Handling Applications



Specifications and Performance

UPM HT 2-Way & 3-Way

Maximum Operating Temperature:	302°F (150°C)
Maximum Forward and Back Pressure:	40 PSIG
Cv Flow Factor:	1/4" Orifice = 0.80, 1/2" Orifice = 3.18
Actuation Type:	Pneumatic: NC, NO 3-Way, Sampling
End Connection Style:	Fuse Bond, Super 300 Type Pillar Fitting
End Connection Size:	1/2", 3/4"
Orifice Sizes:	1/4", 1/2"



Specifications and Performance

DDVHT

Maximum Operating Temperature (to Siphon):	302°F (150°C)
Operating Pressure (DI Water to Inlet):	20 PSIG to 60 PSIG, (40 PSIG recommended)
Vacuum Rating @ Siphon:	14" Hg @ 20PSIG DI Inlet 25" Hg @ 40PSIG DI Inlet 27" Hg @ 60PSIG DI Inlet
End Connections Available:	Fuse Bond
Inlet Port/Siphon Outlet	1/2" X 3/4"



Specifications and Performance

PFH2

PFH3

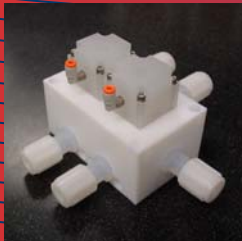
Maximum Operating Temperature:	32°F (0°C) up to 302°F (150°C)
Flow Rate GPM/LPM:	0-5 GPM (0-1200 LPM) 0-13 GPM (0-3000 LPM)
Maximum Suction Head:	11.5 ft. (3.5m) 16.5 ft. (5m)
Maximum Air Pressure:	72.5 PSI (5bar)
Maximum Back Pressure:	58 PSI (4bar)
Maximum Air Consumption:	8 SCFM (13.5m³/h) 12 SCFM (20m³/h)



Specifications and Performance

UPRP HT Precision Regulator

Maximum Operating Temperature:	302°F (150°C)
Maximum Media Operating Pressure:	40 PSIG
Actuation Type:	Dome Loaded, Pneumatic
End Connection Style:	Fuse Bond, Super 300 Type Pillar Fitting
End Connection Size:	1/4", 3/8", 1/2"
Orifice Sizes:	1/4"



Specifications and Performance

HPVM HT 2-Way & 3-Way Integrated Manifold

Maximum Operating Temperature:	248°F (120°C)
Maximum Media Operating Pressure:	60 PSIG
Cv Flow Factor:	0.7-1.0
Actuation Type:	Pneumatic 2-way (Normally Closed) & 3-way
End Connection Style:	Fuse Bond, Super 300 Type Pillar Fitting
End Connection Size:	1/4", 3/8", 1/2"
Orifice Sizes:	1/4", 3/8"

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