

Accessories

Decades of interaction with industry users combined with our premium engineering knowledge led Saint-Gobain to develop a wide range of specific components ranging from gauge protectors to precision pressure regulators, all of which are crucial to customers' applications in the Semiconductor industry. Our broad product offering provides you with a comprehensive single source for high-purity fluid handling products. Our vast experience in injection molding of PFA and processing PTFE, coupled with state-of-the-art equipment assures an accurate and repeatable manufacturing process. This assures that our products meet or exceed the most stringent Semiconductor industry standards for purity and ionic extractables to satisfy your critical fluid handling requirements.





FURON® 1/4" UPRP Precision Pressure Regulator

Actuation	Manual & Pneumatic
Orifice Size	1/4", 1/2"
Standard	Flare Grip II
Connection Types	Pillar Super 300 Fuse Bond
Connection Sizes	1/4", 3/8", 1/2"
Max. Operating Temperature	194°F (90°C)
Max. Operating Pressure	120 PSIG (8 bar)
Pressure Regulation Range	10 – 60 PSIG (0.7 – 4.0 bar)

Features/Benefits:

- Designed for fluid temperatures up to 194°F (90°C)
- Composed of all virgin PTFE/Fluoroloy®T and PFA wetted flow paths
- Integral leak detection port is standard
- PTFE isolation bellows provides secondary containment



FURON® 1" UPRP Precision Pressure Regulator

Actuation	Pneumatic
Orifice Size	1"
Standard	Flare Grip II
Connection Types	Pillar Super 300 Fuse Bond
Connection Sizes	3/4", 1"
Max. Operating Temperature	194°F (90°C)
Max. Operating Pressure	100 PSIG (7 bar)
Pressure Regulation Range	10 – 60 PSIG (0.7 – 4.0 bar)

Features/Benefits:

- Designed for fluid temperatures up to 194°F (90°C)
- Composed of all virgin PTFE/Fluoroloy®T and PFA wetted flow paths
- Integral leak detection port is standard
- PTFE isolation bellows provides secondary containment



FURON® UPBM Back Pressure Regulator

Actuation Type	Manual & Pneumatic
Orifice Size	1/4", 1/2"
Standard	Flare Grip II
Connection Types	Pillar Super 300 Fuse Bond
Connection Size	1/4", 3/8", 1/2", 3/4"
Max. Operating Temperature	194°F (90°C)
Max. Operating Pressure	120 PSIG (8.3 bar)
Pressure Regulation Range	10–60 PSIG (0.7–4.0 bar)

Features/Benefits:

- Maintains pre-determined pressure on the inlet side (back pressure)
- Designed for fluid temperatures up to 194°F (90°C)
- Composed of all virgin PTFE and PFA wetted flow paths
- Integral leak detection port is standard





FURON[®] Static Mixer

Max. Flow Rate	1/2": 5.3 GPM (20 l/min) 1": 13.2 GPM (50 l/min)
Max. Pressure Drop	1/2": 9.0 PSID 1": 10.0 PSID
C _v	1/2": 1.75 1": 4.1
Media Operating Temperature	41°F to 212°F (5°C) to (100°C)
Media Operating Pressure	90 PSIG (6 bar) max. at room temperature

Features/Benefits:

- Mixes two or more chemistries with no moving parts
- Ideal for high-purity mixing applications
- Constructed from 100% virgin PTFE and high-purity PFA
- Compact design



FURON[®] Air & Liquid Actuated Aspirators

Actuation	Air or Liquid
Input Media Pressure	5 to 60 PSIG (0.3 to 0.4 bar)
Flow at Outlet Port*	.5 to 2.5 GPM (.9 to 9.5 LPM)
Standard Connection Types	Flare FNPT
Connection Sizes	3/8", 1/2"

Features/Benefits:

- 100% PTFE wetted parts
- Extremely reliable – no moving parts
- Easy to use & install



FURON[®] Single & Double Diaphragm Molded Gauge Protectors

Max. Media Temperature	302°F (150°C)
Max. Media Pressure	120 PSIG (8 bar)
Accuracy	5% of Full Scale
End Connection	1/4" FNPT
Gauge Connection	1/4" FNPT
Fill Fluid	DI Water (standard)
Materials	PTFE/PFA

Features/Benefits:

- Proprietary diaphragm seals with zero hold-up volume or elastomers
- Variety of optional mounts including fuse bonded flow-thru tee option
- 100% non-metallic construction
- All molded high-purity PFA body; PTFE diaphragm
- Single or double diaphragm construction



FURON[®] Pistol Pete & Recirc Spray Guns

Body Materials	PTFE, High-Purity PFA
Hose Materials	High-Purity PFA FEP Polypropylene
Max. Media Pressure	100 PSIG (7 bar)
Spray Patterns	Standard (DI Water) Cone Fan Jug Fill Nitrogen Blow-off

Features/Benefits:

- 100% virgin PTFE wetted fluid path
- No exposed metal components
- Shutoff pressure to 80 PSIG
- Varied spray pattern and spray nozzle interchangeability

