

Fluoroline™ S Filter

Disposable filters for small volume point-of-use filtration of nonflammable solvents, acids, and bases

Cost-effective for Low-volume Filtration

Fluoroline™-S disposable filters are designed for the filtration of high-purity process fluids at very low flow rates. Constructed of PTFE membrane on PFA supports, Fluoroline-S disposable filters are compatible with a wide range of acids, bases, and nonflammable solvents. Typical uses include the point-of-use filtration of spin on glass (SOG), anti-reflective coating (ARC), hexamethyldisilazane (HMDS), photoresist, developer, and water. They are available in three retention ratings to provide the flexibility needed in these applications.

Disposable Design Offers the Safest and Cleanest Conditions

Fluoroline-S disposable filters are fully encapsulated in a compact and easy-to-handle housing shell. The disposable design limits the handling of hazardous chemicals during installation and disposal, thereby promoting a safer work environment.

Superior Manufacturing

- Manufactured in a world-class, ISO 9001 quality systems standard facility
- Manufactured, tested, and packaged in a cleanroom to ensure product cleanliness

APPLICATIONS

- Industry: Semiconductor, Flat Panel Display
- Process: Wet Etch and Clean, ODF (Liquid Crystal)
- Chemistry: Photochemicals, Solvents, Aggressive Acids, Aggressive Bases, Dilute Acids, Dilute Bases
- Installation Point: Point of Dispense



Provides excellent small particle retention

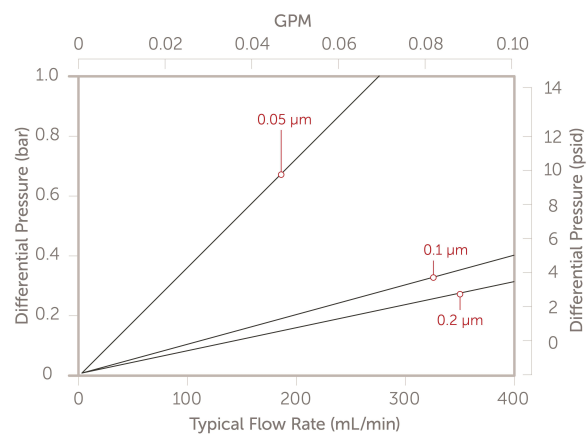
FEATURES & BENEFITS

| | |
|--|---|
| Available in retention ratings of 0.05 µm, 0.1 µm, and 0.2 µm | Provides excellent small particle retention to ensure minimal particles remain on water surface |
| Designed without o-rings | High-purity connections with no o-rings to avoid potential sources of contamination and ensure downstream cleanliness |
| Compact, disposable filter | Allows quick installation and minimizes downtime while limiting the handling of hazardous chemicals |
| Available with 1/4" and 1/8" compression seals | Simplified installation allows convenient retrofit with existing system and easy filter changeout |

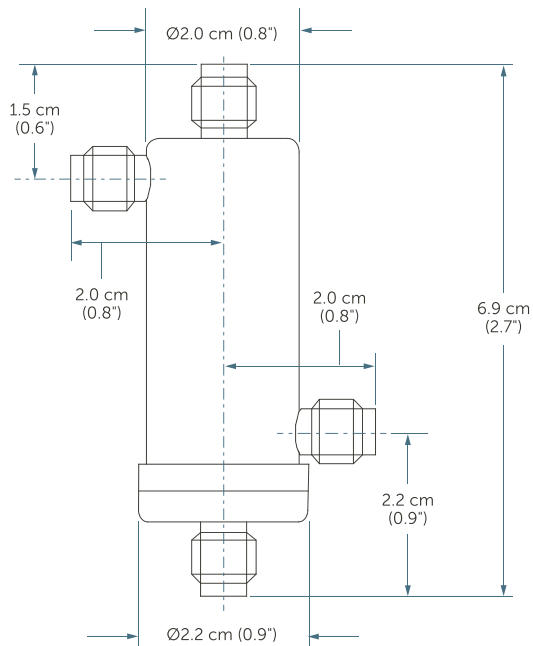
SPECIFICATIONS

| | |
|--|--|
| Membrane: | Hydrophobic PTFE |
| Membrane area: | 12 cm ² (1.86 in ²) |
| Supports and molded parts: | PFA |
| Connections: | 1/4" and 1/8" compression seal fittings |
| Maximum forward differential pressure: | 0.35 MPa (3.5 bar, 50 psi) @ 20°C |
| Maximum reverse differential pressure: | 0.035 MPa (0.35 bar, 5 psi) @ 20°C |
| Maximum operating temperature: | 60°C (140°F) |

PERFORMANCE DATA



DIMENSIONS



ORDERING INFORMATION

| PART NUMBER | PACK | RETENTION RATING | CONNECTION |
|-------------|------|------------------|---|
| PFFG01D4S | 3 | 0.2 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFG01D4S1 | 1 | 0.2 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFG01D8S | 3 | 0.2 µm | 1/8" inlet/outlet, 1/8" vent, compression fitting |
| PFFG01D8S1 | 1 | 0.2 µm | 1/8" inlet/outlet, 1/8" vent, compression fitting |
| PFFG03D4P | 3 | 0.2 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFG03D4S | 3 | 0.2 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFV01D4S | 3 | 0.1 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFV01D4S1 | 1 | 0.1 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFV01D8S | 3 | 0.1 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFV01D8S1 | 1 | 0.1 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFV01DTK | 3 | 0.1 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFV03D4P | 3 | 0.1 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFV03D4S | 3 | 0.1 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFV03D6P | 3 | 0.1 µm | 6MM inlet/outlet, 1/8" vent, Pillar fitting |
| PFFX01D4S1 | 1 | 0.05 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFZ01D4S | 3 | 0.05 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFZ01D4S1 | 1 | 0.05 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFZ01D8S | 3 | 0.05 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |

ORDERING INFORMATION

| PART NUMBER | PACK | RETENTION RATING | CONNECTION |
|-------------|------|------------------|---|
| PFFZ01D8S1 | 1 | 0.05 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFZ03D4P | 3 | 0.05 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFZ03D4S | 3 | 0.05 µm | 1/4" inlet/outlet, 1/8" vent, compression fitting |
| PFFZ03D6P | 3 | 0.05 µm | 6MM inlet/outlet, 1/8" vent, Pillar fitting |

FOR MORE INFORMATION

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