

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

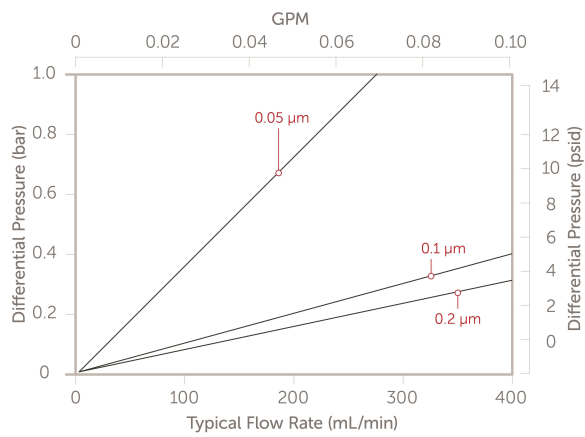
FEATURES & BENEFITS

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

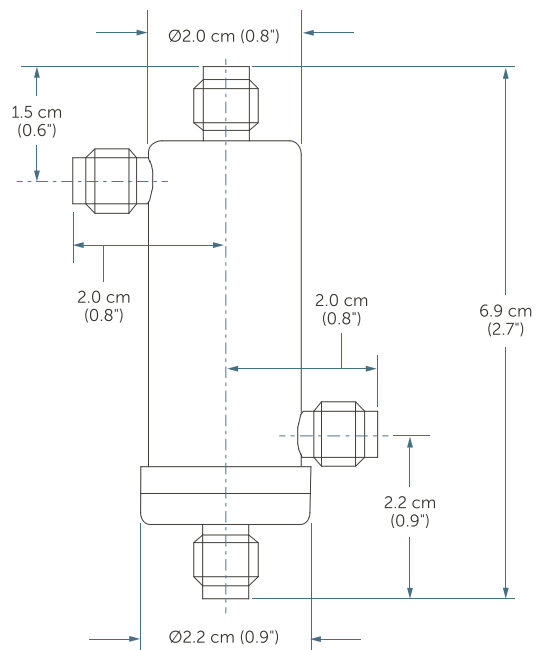
SPECIFICATIONS

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
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

ORDERING INFORMATION

PART NUMBER	PACK	RETENTION RATING	CONNECTION
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

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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