



FLUOROCAP encapsulated filters feature an all-fluoropolymer pleated filter cartridge for excellent chemical resistance in aggressive chemical applications.

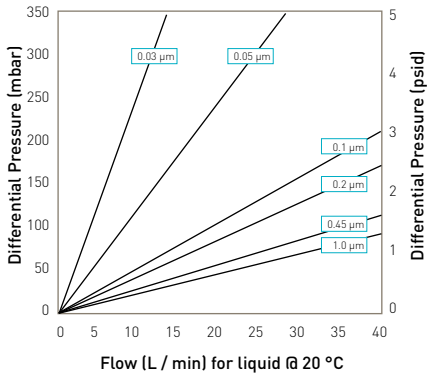
The integral filter design maximises up-time by providing faster and easier change-out without laborious cleaning protocols. Because the replacement of filter elements is eliminated, the chance of introducing contamination into the process is minimised. FLUOROCAP increases the level of safety, and reduces the risk of exposure to hazardous materials.

The FLUOROCAP family of filters offers excellent resistance in aggressive chemical applications. FLUOROCAP filters are available in increasing flow rate and higher temperature capabilities. FLUOROCAP family are available flushed with ozonated UPW to further minimise extractables or wet-packed to eliminate on-site wetting for use in aqueous applications.

Features and Benefits

- Chemical resistance process capability and compatibility
- All filters are 100% integrity tested to assure reliable product performance
- Wet-packed option eliminates lengthy wetting procedure and minimises equipment downtime
- Capsules reduce downtime, chance of contamination and risk of exposure to hazardous materials during filter change
- Available in 0.03 to 1.0 microns

Performance Characteristics



10" Size (250 mm) Cartridge

FLUOROCAP Filter Cartridges

- liquid filters
- polytetrafluoroethylene (PTFE) capsule



FLUOROCAP Filter Cartridges

Specifications

Materials of Construction

100% Fluoropolymer construction
All components are thermally bonded to ensure integrity and reduce extractables
O-rings: Silicone
Viton
FEP-Encapsulated Viton
FEP-Encapsulated Silicone
Chemraz
Kalrez

Effective Filtration Area (EFA)

10" (250 mm) 0.9 m² (9.8 ft²)

Recommended Operating Conditions

Temperature °C	Temperature °F	Max. Forward dP (bar)	Max. Forward dP (psid)
24	75	5.5	80.0
75	167	3.8	55.0
125	257	2.0	30.0
150	300	1.0	15.0

Temperature °C	Temperature °F	Max. Reverse dP (bar)	Max. Reverse dP (psid)
24	75	34	50.0
121	250	1.0	15.0

Integrity Test Values

Micron Rating		0.05	0.1	0.2	0.45	1.0
Diffusional Flow (bar)		2.8	1.5	0.9	0.5	0.2
Test Pressure (psig)		≥40	≥21	≥13	≥7	≥3

*Tested in 60/40 IPA/DI water @ 25°C (77°F)

Particle Shedding

Wet packed <2 particles / ml >0.2µm after 26.5L @ 3.8L / min
Dry packed <2 particles / ml >0.2µm after 26.5L @ 3.8L / min

Metals Extractables

<20ppb (total) in a 10% HN03 extraction of 1.5 litres for 24 hours at ambient temperatures.

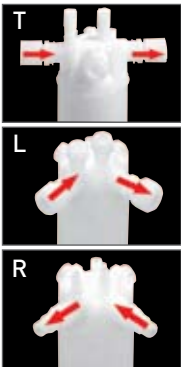
Applications

- Aggressive acids, bases and solvents
- Photolithography chemicals
- Ozonated and / or hot UPW

Ordering Information

Code Style	Code Style	Code Length (Nominal)	Code Connections	Code Vent Alignment	Code Micron
F ¹ In-line T T-Style L L-Style (Left) R R-Style (Right)	C Dry Packed (STD) W Ozonated UPW Flushed and Wet Packed	0 4" (100 mm) 1 10" (250 mm) (short) 2 20" (500 mm) 3 30" (750 mm) 4 ² 40" (1000 mm)	B 3/4" Butt weld C 3/8" Flaretek 90° D 1/2" Flaretek 90° E 3/4" Flaretek 90° F ³ 3/4" Flaretek 90° G 3/8" Flaretek H 1/2" Flaretek J 3/4" Flarelock K 3/4" Pillar 90° P 3/4" MNPT W ⁴ 3/4" Pillar	S Same Side D 180° Opposite Side C ⁴ Centred	923 0.03 925 0.05 001 0.1 002 0.2 004 0.45 101 1.0

- 1 F cannot be ordered with W connections
2 Inline only
3 T, L, R can only be ordered with F and W connections
4 T, L and R only



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