



## FLUOROCAP Filter Cartridges

- liquid filters
- polytetrafluoroethylene (PTFE) capsule



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

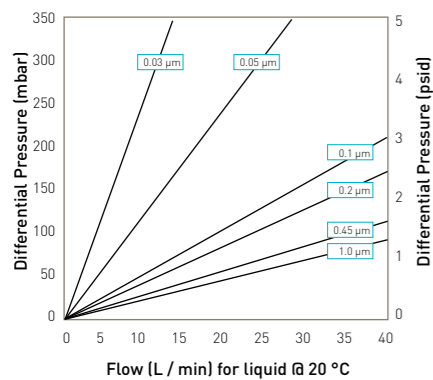
The integral filter design maximises up-time by providing faster and easier change-out without laborious cleaning protocols. Because the replacement of filter elements is eliminated, the chance of introducing contamination into the process is minimised. FLUOROCAP increases the level of safety, and reduces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

### 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 m<sup>2</sup> (9.8 ft<sup>2</sup>)

#### 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

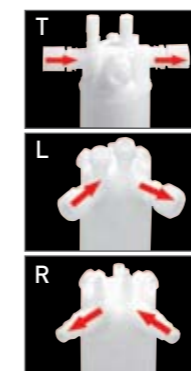
<20ppb (total) in a 10% HN03 extraction of 1.5 litres for 24 hours at ambient temperatures.

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



- 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

**LENNTECH bv**

info@lenntech.com  
www.lenntech.com  
Tel. +31-15-261.09.00  
Fax. +31-15-261.62.89

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