



FLUOROFLOW Filter Cartridges

- liquid filters
- polytetrafluoroethylene (PTFE)

FLUOROFLOW pleated filter cartridges feature an all-Fluoropolymer construction that provides excellent chemical resistance in filtration of acids, bases and solvents.

FLUOROFLOW filters fit in standard filter housings and are available in a variety of filter ratings, lengths and end fittings for maximum versatility. The all fluoropolymer construction provides excellent chemical resistance for the most aggressive applications up to 150°C (302°F).

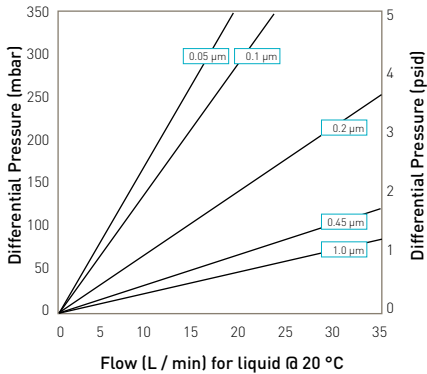
FLUOROFLOW filters are available flushed with ozonated UPW to further minimise extractables or wet-packed to eliminate on-site wetting for use in aqueous applications.



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
- Available in 0.05 to 100 microns

Performance Characteristics



10" Size (250 mm) Cartridge

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Specifications

Materials of Construction

- Filtration Membrane: Polytetrafluoroethylene (PTFE)
- Upstream Support: Polytetrafluoroethylene (PTFE)
- Downstream Support: Polytetrafluoroethylene (PTFE)
- Inner Support Core: PFA
- Outer Protection Cage: PFA
- End Caps: PFA
- Standard o-rings: FEP Encapsulated Silicone

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.

Effective Filtration Area (EFA)
10" (250 mm) 0.63 m² {6.8 ft²}

Recommended Operating Conditions

Temperature		Max. Forward dP	
°C	°F	(bar)	(psid)
24	75	5.5	80.0
75	167	3.8	55.0
125	257	2.0	30.0
150	302	1.0	15.0

Micron Rating	0.05	0.10	0.20	0.45	1.00
Bubble Point (60 / 40 IPA/Water at 25°C)					
Min. Bubble Point (barg)	2.8	1.5	0.9	0.5	0.2
(psig)	40.6	21.7	13.0	7.2	2.9

Applications

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

Ordering Information

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Code End Fitting	Code Length (Nominal)	Code Micron	Code Gasket / O-rings	Code Options Treatment
2 226 / Flat	04 4" (125 mm)	925 0.05 µm	2 Silicone	Blank UPW Flush
3 222 / Flat	10 10" (250 mm)	001 0.1 µm	4 Viton	F Ozone UPW Flush
7 226 / Fin	20 20" (500 mm)	002 0.2 µm	5 FEP-Endcapsulated	W Wet Packed
8 222 / Fin	30 30" (750 mm)	004 0.45 µm	Viton*	
	40 40" (1000 mm)	010 1.0 µm	FEP-Encapsulated	
		503 100 µm (nominal)	Silicone	
			7 Chemraz	
			N None	

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