



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).

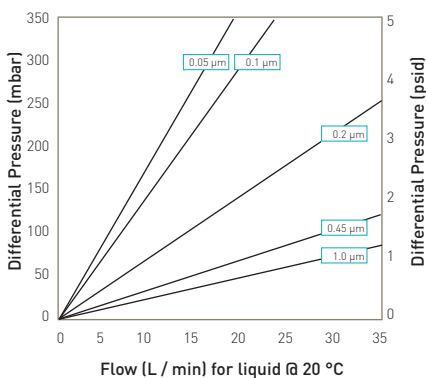
FLUOROFLOW filters are available flushed with ozonated UPW to further minimise extractables or wet-packed to eliminate on-site wetting for use in aqueous applications.

Features and Benefits

- Chemical resistance process capability and compatibility
- Wet-packed option eliminates lengthy wetting procedure and minimises equipment downtime
- All filters are 100% integrity tested to assure reliable product performance
- Available in 0.05 to 100 microns



Performance Characteristics



10" Size (250 mm) Cartridge

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 °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	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 3 222 / Flat 7 226 / Fin 8 222 / Fin	04 4" (125 mm) 10 10" (250 mm) 20 20" (500 mm) 30 30" (750 mm) 40 40" (1000 mm)	925 0.05 µm 001 0.1 µm 002 0.2 µm 004 0.45 µm 010 1.0 µm 503 100 µm (nominal)	2 Silicone 4 Viton 5 FEP-Encapsulated Viton* 6 FEP-Encapsulated Silicone 7 Chemraz N None	Blank UPW Flush F Ozone UPW Flush W Wet Packed

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