



## 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.

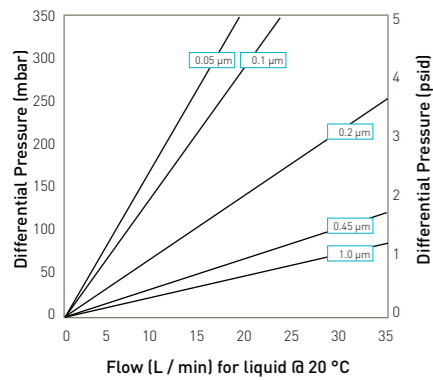
FLUOROFLOW filters fit in standard filter housings and are available in a variety of filter ratings, lengths and end fittings for maximum versatility. The all fluoropolymer construction provides excellent chemical resistance for the most aggressive applications up to 150°C (302°F).

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

## FLUOROFLOW Filter Cartridges

### 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 m<sup>2</sup> (6.8 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	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

33 - 14 - [ ] - [ ] - E [ ]

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 Viton*	W	Wet Packed
8	222 / Fin	30	30" (750 mm)	004	0.45 µm	6	FEP-Encapsulated Silicone		
		40	40" (1000 mm)	010	1.0 µm	7	Chemraz		
				503	100 µm (nominal)	N	None		

**LENNTECH bv**

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

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.

\*Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc.