PTFE

Superior PTFE Membrane Filters

PTFE is a range of superior pleated PTFE membrane filters with PFA supports. These cartridge filters are suitable for use within a number of process and chemical applications.

This chemically inert filter range offers the removal of fine particulate from 0.05-10 micron in challenging operating conditions.

Typical Applications

- Aggressive chemicals
- High purity chemicals

Features and Benefits

- Excellent flow characteristics
- Full traceability
- Controlled manufacturing environment
- Fast rinse up time
- Low binding and fouling

Ordering Information

1: Series	
CF-FL	PTFE

2: Pore rating (µm)	
P5	0.05
10	0.1
20	0.2

3: Version	
S	Standard

4: Length	
04	102mm (4")
1	250mm (10")
2	510mm (20")

5: Adapter	
A	Code 3

6: Seals	
A	EPDM
B	Silicone
C	Viton
J	Kalrez/FKM
K	FEP Silicone

Product Code: 1 - 2 - 3 - 4 - 5 - 6

Specifications

Materials of Manufacture

Filtration media:	Hydrophobic PTFE membrane
End caps:	PFA
Centre core:	PFA
Outer hardware:	PFA
Gaskets/O-rings:	PFA encapsulated FKM

Cartridge Dimensions (Nominal)

Diameter:	67mm (2.6”)
Length:	254mm (10”)

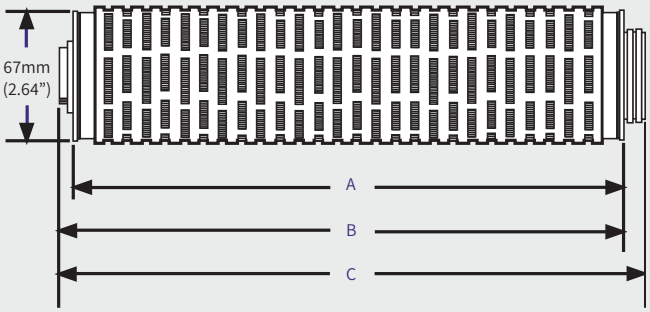
Pore Size Rating

0.05, 0.1, 0.2, 0.45, 1, 5 and 10 microns.

Differential Pressure

Maximum forward differential pressure: 5bar (72.5psi) @ 25°C (77°F)

Dimensions Specification



Length	A	B	C
4	105mm +/-2	110mm +/-2	128mm +/-2
10	237mm +/-2	242mm +/-2	261mm +/-2
20	463mm +/-3	468mm +/-3	486mm +/-3

Recommended Change Out Differential Pressure

2.4bar (34.8psi)

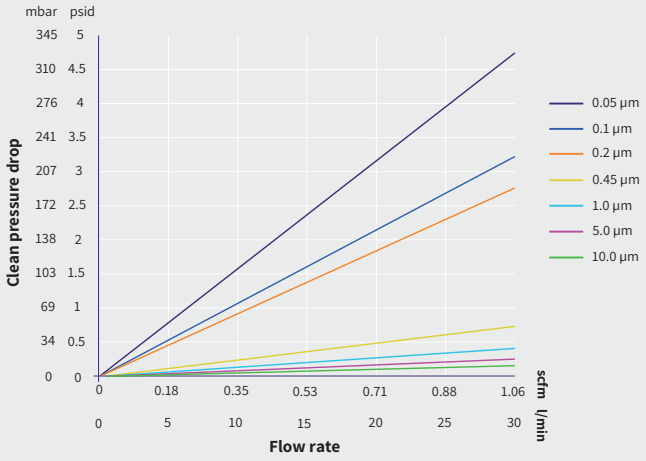
Maximum Operating Temperature

180°C (356°F) at the above conditions.

Metallic Cleanliness

<25µg per device. Ultra-high-purity.

Flow Rates



Total metals (13 elements, ICP-MS)	UHP < 25 ppb / device Ultra Low Metal < 10 ppb / device
Particle shedding cleanliness	< 5 particles / 1ml ≥ 0.15um @10LPM UPW Flow
TOC recovery (per 10” equivalent)	< 5ppb of feed DI water after 120L @ 5LPM
Resistivity recovery (per 10” equivalent)	< 0.5MΩ of feed DI water after 120L @ 5LPM

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