

Tefffil™

Superior PTFE Membrane Filters



Tefffil™ 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.

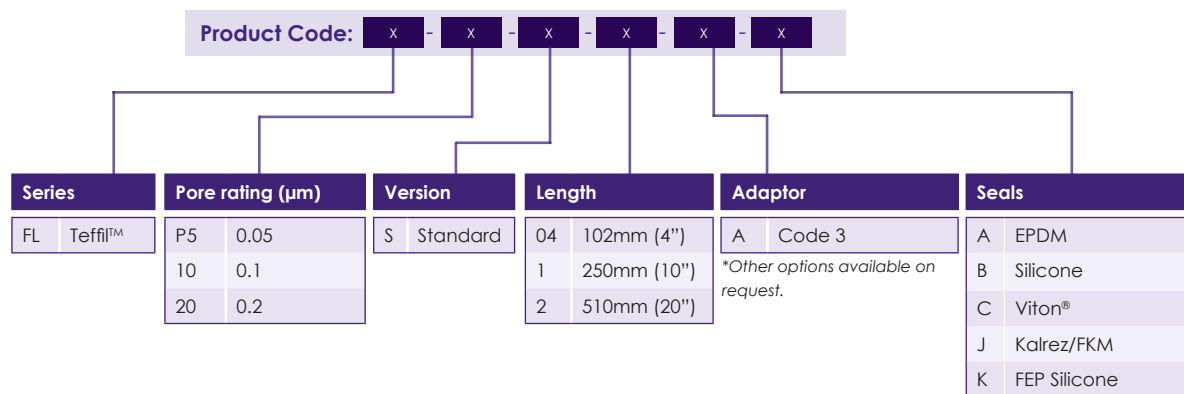
Typical Applications

- 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



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")

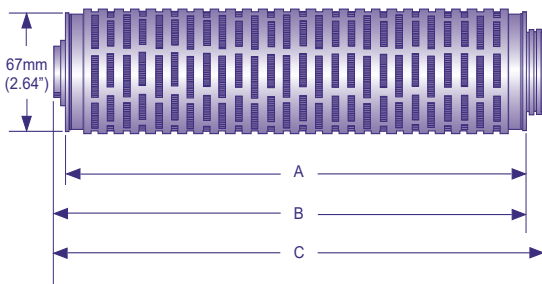
Pore Size Rating

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)

Dimension Specifications



Length (inch)	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)

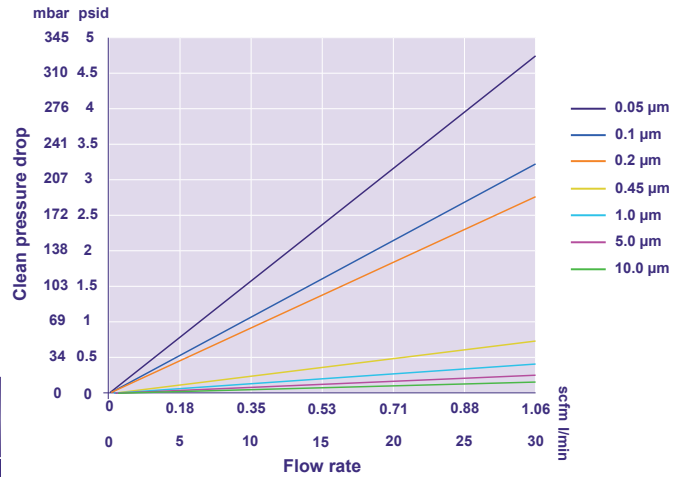
Maximum Operating Temperature

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 ≥ 0.15µm @ 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