

# Teffil™

## Superior PTFE Membrane Filters



Teffil™ 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

Product Code: X - X - X - X - X - X

Series	Pore rating (µm)	Version	Length	Adaptor	Seals
FL Teffil™	P5 0.05 10 0.1 20 0.2	S Standard W Pre-wet	04 102mm (4") 1 250mm (10") 2 510mm (20")	A Code 3 <i>*Other options available on request.</i>	A EPDM B Silicone C Viton® K FEP/FKM

## 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")

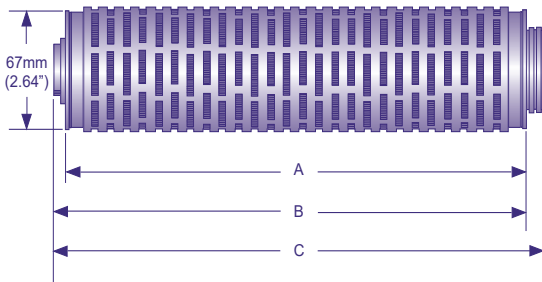
### Pore Size Rating

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)

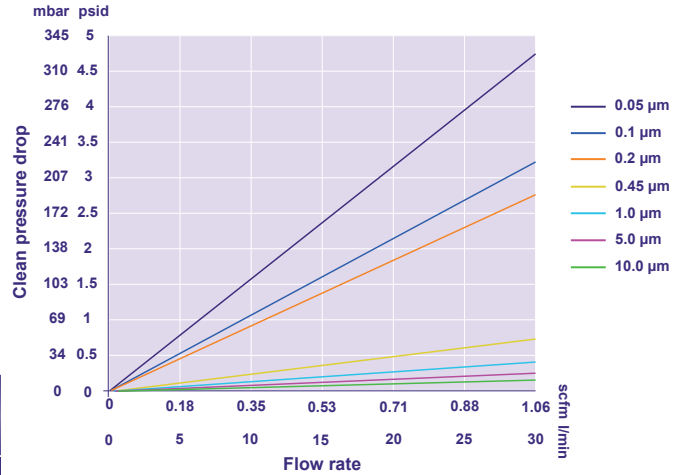
### Maximum Operating Temperature

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

### Metallic Cleanliness

<25µg per device. Ultra-high-purity.

### Flow Rates



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