

# Teffil™ HF

## High Flow PTFE Membrane Filters



**Teffil™ HF is a range of fully optimised high flow PTFE membrane filters with PFA supports. These cartridge filters are suitable for use within a number of chemical applications including organic stripper, IPA and other solvent recirculation bath 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  
Chemical delivery system filtration of strong acid base solution.
- Solvents  
UHP solvent treatment for bumping stripper.
- 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					
1. Series	2. Micron rating	3. Version	4. Length	5. Adaptor	6. Seals
FLH Teffil™ High Flow	PP5 0.05µm	S Standard	04 102mm (4")	A 222 (Code 3)	G FEP Encap Silicone
	010 0.1µm	W Pre-wet	1 250mm (10")	B 226 (Code 7)	K FFKM
	020 0.2µm		2 510mm (20")	M DOE	T E-FKM
	045 0.45µm		3 762mm (30")		J PTFE Gasket (Code M)
	100 1.0µm				
	500 5.0µm				
	1000 10.0µm				

## Specifications

### Materials of Manufacture

Filtration media:	Hydrophobic PTFE Membrane
End caps:	PFA
Centre core:	PFA
Outer hardware:	PFA
Gaskets/O-rings:	FEP Encap FKM, FEP Encap Silicone, FFKM

### Cartridge Dimensions (Nominal)

Diameter:	69mm (2.716")
Length:	Dimensions vary for different connector types therefore please check with us before ordering to ensure correct fitment.



### Pore Size Rating

0.05, 0.1, 0.2, 0.45, 1, 5, 10 µm

<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

### Differential Pressure

Maximum forward differential pressure:

5.1bar (75psi) @ 25°C (77°F)

5.1bar (75psi) @ 120°C (248°F)

### Operating Temperature

Maximum operating temperature:

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

### Flow Rates

