

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

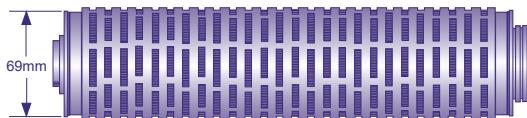
Materials of Manufacture

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

Total Metals (13 elements, ICP-MS)	UHP < 25 ppb / device Ultra low metal < 10 ppb / device
Particle Shedding cleanliness	< 5 particles / 1ml $\geq 0.15\mu\text{m}$ @10LPM UPW flow
TOC Recovery (per 10" equivalent)	< 5ppb of feed DI water after 120L @ 5LPM
Resistivity recovery (per 10" equivalent)	< 0.5M Ω 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

