

Tekfil™ A

Absolute Rated
Polypropylene Depth
Cartridge Filters



Tekfil™ A is a high flow, graded depth filter with high contaminant capacity for long life. Constructed from FDA approved polypropylene with excellent performance characteristics, it is an economic choice for a wide range of applications.

Tekfil™ A is available in a range of industrial standard lengths and is also available in Nylon construction for solvent filtration.

Typical Applications

- Food and beverage
- Fine chemicals and solvents
- Coatings
- Photographic chemicals
- Metal finishing electroplating
- Water treatment prior to reverse osmosis
- Cosmetics product filling

Ordering Information

Product Code: 1 2 3 4 5 6

1: Pre-Filter		2: Pore rating		3: Version		4: Length (Nominal)		5: End Fitting		6: Seals	
TA	Tekfil™	P5	0.5µm	S	Standard	1	10" (254mm)	A	Code 3	A	Ethylene Propylene
TAY	Tekfil™ Nylon	01	1µm			2	20" (508mm)	B	Code 7	B	Silicone
		03	3µm			3	30" (762mm)	C	Code 8	C	Viton®
		05	5µm			4	40" (1016mm)	G	G DOE (short)	D	Nitrile
		10	10µm					M	DOE	E	FEP Encap. Viton®
		25	25µm							G	FEP Encap. Silicone
		50	50µm							J	DOE PTFE
		75	75µm							L	Polyethylene foam gasket
		100	100µm							N	None

Features and Benefits

- Graded depth media**
 The graded structure of the media provides prefiltration of the process fluid prior to the absolute rated final layer. This combination provides economy of use and a smaller process footprint.
- High degree of chemical compatibility**
 Constructed entirely of polypropylene and/or nylon.
- Absolute removal ratings**
 Tekfil™ A cartridges are validated using recognised industry standard test methods.
- Suitable for steam and hot water sanitisation**
 Tekfil™ A cartridges are resistant to repeat steam sterilisation and hot water cycles.

Specifications

Materials of Manufacture

Filter media: Polypropylene/nylon
 End fittings: Polypropylene/nylon
 Seals (if specified): Silicon or EPDM

Cartridge Dimensions

Diameter: 63mm (2.5")
 Length: 254mm (10")
 508mm (20")
 762mm (30")
 1016mm (40")

Gaskets and O-Rings

Ethylene Propylene, FEP encapsulated, Silicone, Viton®, Nitrile or Polypropylene felt available for non crush-fit end adaptors.

Maximum Differential Pressure

Normal flow direction at:
 20°C (68°F): 3.5 bar (50psi)
 60°C (140°F): 1.0 bar (15psi)
 80°C (176°F): 0.5 bar (7psi)

Operating Temperature

Maximum continuous: 80°C (176°F)

Extractables

Minimum total extractables.

Clean Water Flow Rates

- Typical clean water flow rate:
 A 254mm (10") Tekfil™ single cartridge exhibits the flow- Δ P characteristics indicated below, for solutions with a viscosity of 1 centipoise.
- Other solutions:
 For solutions with a viscosity of greater than 1 centipoise, multiply the indicated differential pressure by the viscosity in centipoise.

