

Tekfil<sup>TM</sup> A

# Tekfil<sup>™</sup> A

Absolute Rated Polypropylene Depth Cartridge Filters



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

Product Code: 1 2 3 4 5

# **Ordering Information**

## **Typical Applications**

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

1: Pre-Filter		2: Pore rating		3: Version		4: Length (Nominal)		5: End Fitting		6: Seals	
ΓA	Tekfil™	P5	0.5µm	S	Standard	(NC	-	А	Code 3	А	Ethylene
ΤΑΥ	Tekfil™	01	1µm			1	10'' (254mm)	В	Code 7		Propylene
	Nylon	03	3µm				20"	С	Code 8	В	Silicone
		05	5µm			2	20" (508mm)	G	G DOE (short)	С	Viton <sup>®</sup>
		10	10µm		3	30"			D	Nitrile	
		25	25µm				(762mm)	М	DOE	E	FEP Encap
		50	50µm			4	40"				Viton®
		75	75µm			(1016mm)			G	FEP Encap	
		100	100µm								Silicone
										J	DOE PTFE
										L	Polyethyle
											foam gasl

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### **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<sup>TM</sup> A cartridges are validated using recognised industry standard test methods.
- Suitable for steam and hot water sanitisation Tekfil<sup>TM</sup> A cartridges are resistant to repeat steam sterilisation and hot water cycles.

#### **Specifications**

#### **Materials of Manufacture**

Filter media:
End fittings:
Seals (if specified):

Polypropylene/nylon Polypropylene/nylon 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**

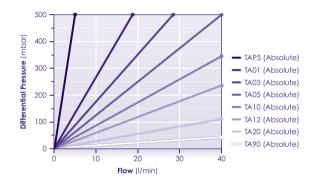
Maximum continuous:

#### Extractables

Minimum total extractables.

#### **Clean Water Flow Rates**

- Typical clean water flow rate: A 254mm (10") Tekfil<sup>™</sup> single cartridge exhibits the flow-**∆**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.



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80°C (176°F)

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