

## Tekfil™ N

Nominal Rated  
Polypropylene Depth  
Cartridge Filters



Tekfil™ N 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™ is available in a range of industrial standard lengths.

### 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				
<b>1: Nominal</b>		<b>2: Pore Rating</b>		<b>3: Version</b>		<b>4: Length (Nominal)</b>		<b>5: End Fitting</b>		<b>6: Seals</b>	
TN	Tekfil™ N	P5	0.5µm	S	Standard	1	10" (254mm)	A	Code 3	A	Ethylene Propylene
		P6	0.6µm			2	20" (508mm)	B	Code 7	B	Silicone
		P8	0.8µm			3	30" (762mm)	C	Code 8	C	Viton®
		01	1µm			4	40" (1016mm)	F	N SOE	D	Nitrile
		02	2µm			5	5" (125mm)	K	Code 2	E	FED Encap. Viton®
		03	3µm					M	DOE	G	FEP Encap. Silicone
		05	5µm							J	DOE PTFE
		07	7µm							L	Polyethylene foam gasket
		10	10µm							N	None
		15	15µm								
		20	20µm								
		30	30µm								
		40	40µm								
		50	50µm								
		60	60µm								
		75	75µm								
		90	90µm								
		105	105µm								

## Features and Benefits

- Graded depth media  
The graded structure of the media provides prefiltration of the process fluid prior to the nominal 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.
- Nominal removal ratings  
Tekfil™ N cartridges are validated using recognised industry standard test methods.
- Suitable for steam and hot water sanitisation  
Tekfil™ N cartridges are resistant to repeat steam sterilisation and hot water cycles.

## Specifications

### Materials of Manufacture

Filter media: Polypropylene  
End fittings: Polypropylene

### Cartridge Dimensions (Nominal)

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- $\Delta P$  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.

