

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

* Other micron ratings available upon request.

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- ΔP 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.

