

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.

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

Product Code: 1 2 3 4 5 6					
1: Nominal	2: Pore Rating*	3: Version	4: Length (Nominal)	5: End Fitting	6: Seals
TN	Tekfil™ N	P5 0.5µm	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			N None
		10 10µm			
		15 15µm			
		20 20µm			
		30 30µm			
		40 40µm			
		50 50µm			
		60 60µm			
		75 75µm			
		90 90µm			
		105 105µm			

* 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.

