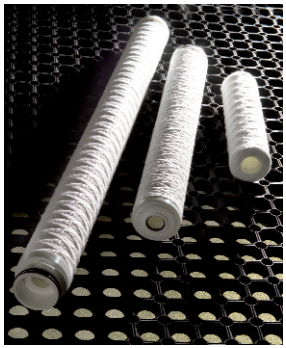
TEXFLOW

Precision Wound Filter Cartridges



Various media available to suit application

Available from 0.5 to 100 microns

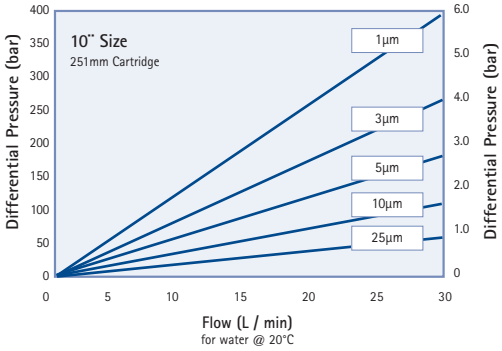
Cartridge sizes from 4" to 40"

Product Information

TEXFLOW precision wound depth filter cartridges are manufactured to give a considerable dirt holding capacity coupled with high flow rates and low pressure. TEXFLOW elements consist of a perforated support core of plastic or metal onto which yarn is wound at a pre-set rate, providing each rating of element with its own distinctive winding pattern and performance. During the winding process the yarn is usually brushed (or napped). This has the effect of increasing the working area of the elements thus providing a higher dirt holding capacity whilst maintaining the rigid structure.

Although the cartridges are mainly for liquid filtration, they can also be employed for gases. Other fibres such as polyester, cotton, nylon and rayon can operate at higher temperatures and have differing chemical compatibility. For very high temperatures and for very strong oxidising agents, baked glass fibre elements are used. Glass fibre elements are fitted with voiles as standard, other cartridges can also be fitted with voiles when necessary.

Cartridge Flow Rates



Materials of Construction

Filtration Media	:	Polyester
(various yarns available)		Fibrillated Polypropylene
		Polypropylene
		Bleached Cotton
		Unbleached Cotton
		Glass Fibre
		Rayon / Viscose
		Washed Polypropylene
Inner Support Core	:	Polyester
		Polypropylene
		304 Stainless Steel
		316 Stainless Steel
		Tinned Steel
		Glass/Poly
		Glass/Nylon

Food and Biological Safety

Materials conform to the relevant requirements of 21 CFR Part 177.

Recommended Operating Conditions

Maximum Temperature

with stainless core:	Cotton	:	149°C (300°F)
	Polypropylene	:	93°C (199°F)
	Rayon	:	149°C (300°F)
	Polyester	:	121°C (250°F)
	Glass Fibre	:	399°C (750°F)
with polypropylene core:	Cotton	:	60°C (140°F)
	Polypropylene	:	60°C (140°F)
	Rayon	:	60°C (140°F)
	Polyester	:	60°C (140°F)

Cleaning and Sterilisation

TEXFLOW filters can be back-washed for extended life, but generally are treated as "disposable filters".

Selection

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Code	Nominal Length (mm)	(inch)
04	100	4
05	125	5
06	160	6
09	248	9.75
10	251	9.875
11	254	10
19	500	19.75
20	508	20
29	750	29.5
30	762	30
39	1000	39.25
40	1016	40

Code	Micron Rating
A5	0.5
01	1
03	3
05	5
10	10
20	20
25	25
50	50
75	75
99	100

Code	Yarn
01	Polyester
02	Polypropylene
03	Fibrillated Polypropylene
04	Bleached Cotton
05	Unbleached Cotton
06	Glass Fibre
07	Nylon
08	Rayon/viscose
09	Washed polypropylene

Code	Core Type
1	Polyester
2	Polypropylene
3	304 St. Steel
5	316 St. Steel
7	Tinned Steel
8	Glass/ Poly
9	Glass/ Nylon

Code	Diameter mm
1	62
2	50
6	100
7	66

Code	End Fitting
0	DOE
2	Flat / 226
3	Flat / 222
6	Flat / 118 / 020
7	Fin / 226
8	Fin / 222
9	213

Special Process Code
2 Digit Special Requirement Code

NOTES

As with any addition to a process system, it is important to flush through new filter cartridges before running "on line".
Standard polypropylene cartridges contain traces of an FDA Glycol Ester Spin Finish which can cause "foaming" when new.
Where this may be a problem e.g. electro plating applications, washed polypropylene elements are recommended.

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