



TEXFLOW Filter Cartridges

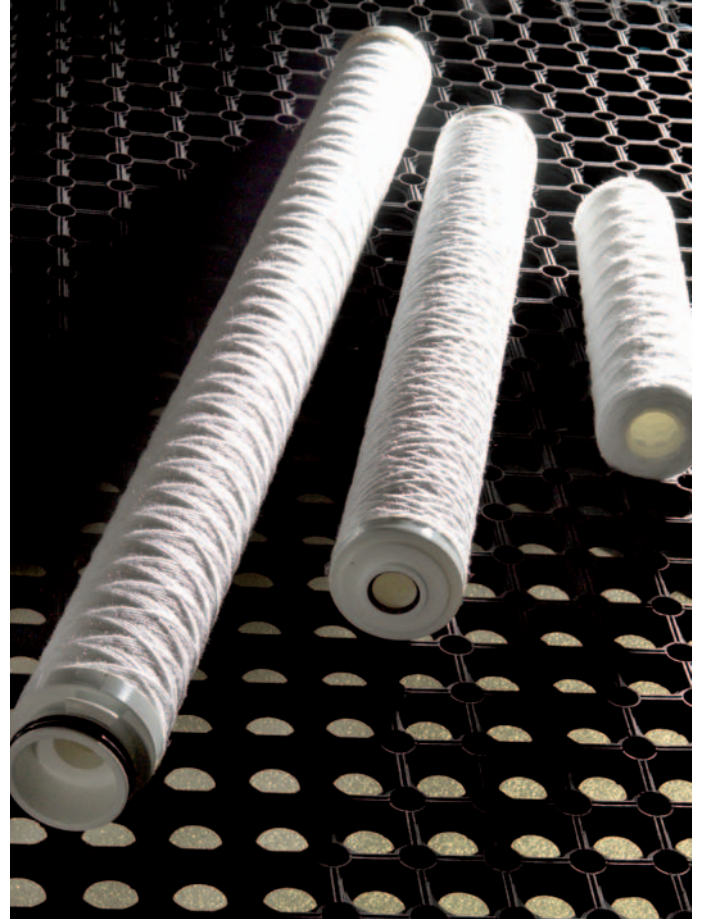
TEXFLOW precision wound depth filter cartridges are manufactured to give a considerable dirt holding capacity coupled with high flow rates and low pressure loss.

TEXFLOW elements consist of a metal or plastic perforated support core 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.

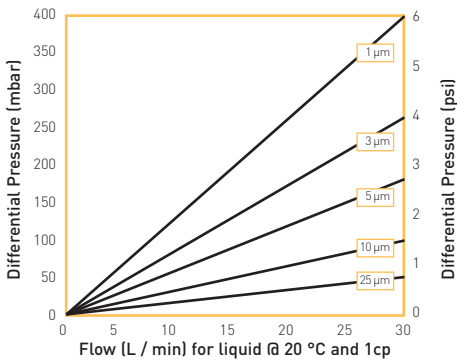
Although the cartridges are mainly for liquid filtration, they can also be employed for gases. Other fibres such as polyester, cotton, nylon and rayon can operate at higher temperatures and have differing chemical compatibility. For very high temperatures and for very strong oxidising agents, baked glass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

Features and Benefits

- Protection of absolute filters
- Wide chemical compatibility
- High dirt holding capacity
- Filter ratings from 0.5 to 100 microns



Performance Characteristics



Cartridge flow rates

TEXFLOW Filter Cartridges

Specifications

Materials of Construction

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

Recommended Operating Conditions

- Max 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)
- Max Temperature 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'.

Ordering Information

Code	Length (Nominal)	Code	Micron	Code	Yarn	Code	Core Type	Code	Diameter	Code	End Fitting	Special Process Code
04	4" (100 mm)	A5	0.5 µm	01	Polyester	1	Polyester	1	2.44" (62 mm)	0	DOE	2 Digit Special Requirement Code
05	5" (125 mm)	01	1 µm	02	Polypropylene	2	Polypropylene	2	1.97" (50 mm)	2	Flat / 226	
06	6" (160 mm)	03	3 µm	03	Fibrillated	3	304 St. Steel	6	3.94" (100 mm)	3	Flat / 222	
09	9.75" (248 mm)	05	5 µm		Polypropylene	5	316 St. Steel	7	2.60" (66 mm)	6	Flat / 118 / 020	
10	9.875" (251 mm)	10	10 µm	04	Bleached Cotton	7	Tinned Steel			7	Fin / 226	
11	10" (254 mm)	20	20 µm	06	Glass Fibre	8	Glass / Poly			8	Fin / 222	
19	19.75" (500 mm)	25	25 µm	07	Nylon	9	Glass / Nylon			9	213	
20	20" (508 mm)	50	50 µm	08	Rayon / Viscose							
29	29.50" (750 mm)	75	75 µm	09	Washed Polypropylene							
30	30" (762 mm)	99	100 µm									
39	39.25" (1000 mm)											
40	40" (1016 mm)											

Note: 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.

