

## TEXFLOW Filter Cartridges

- liquid filters
- wound depth filters

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 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.

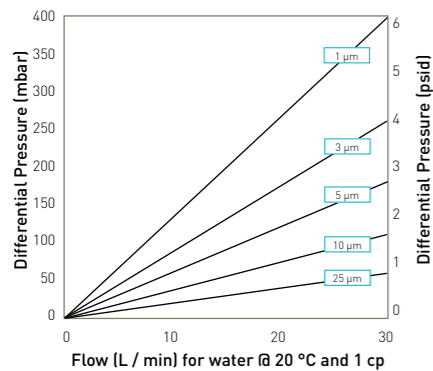
During the winding process the yarn is usually brushed (or napped). This has the effect of increasing the working area of the elements thus providing a higher dirt holding capacity whilst maintaining the rigid structure. Although the cartridges are mainly for liquid filtration, they can also be employed for gases. Other fibres such as polyester, cotton, nylon 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 and stainless steel cores as standard, other cartridges can also be fitted with voiles where necessary.



### Features and Benefits

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

### Performance Characteristics



10" Size (250 mm) Cartridge

## TEXFLOW Filter Cartridges

### Specifications

#### Materials of Construction

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

#### Recommended Operating Conditions

- Maximum Temperature with stainless core:
- Cotton : 149°C (300°F)
  - Polypropylene : 93°C (199°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)
  - Polyester : 60°C (140°F)

#### Maximum Operating Pressure

4 barg (58 psi)

#### Recommended Changeout Pressure

2 barg (29 psi)

#### Cleaning and Sterilisation

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

#### Applications

- Process water
- Plating baths
- Phosphate baths
- Melt polymer filtration
- Spin pack protection
- Polyester

### Ordering Information

#### Cartridges

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

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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