

## PLEATFLOW II Filter Cartridges

- liquid filters
- glass fibre, polypropylene

PLEATFLOW II is an absolute rated filter cartridge employing either glass fibre or polypropylene filter media, thermally bonded into rugged polypropylene hardware and offers unsurpassed chemical compatibility and performance.

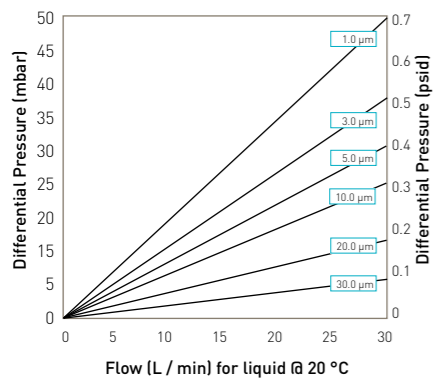
Pleatpack optimisation ensures higher throughputs, low pressure loss, high dirt capacity, long on stream life and lower filtration costs. Thermal bonding of the assembly not only guarantees the cartridge integrity but also benefits users by eliminating the need for glues or adhesives, thus minimizing levels of extractables. PLEATFLOW II can be employed in applications such as pharmaceutical preparations and concentrated acids. They are generally employed in the clarification and prefiltration of liquids but can also be used in gasses. PLEATFLOW II are manufactured to exacting quality standards in absolute ratings from 1 to 70 microns, lengths up to 40" and with a variety of end fittings to suit most industrial housings.



### Features and Benefits

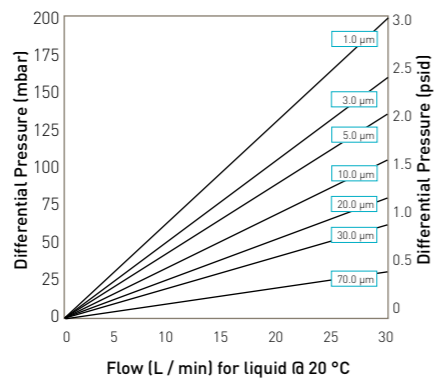
- Absolute rating from 1 to 70 microns
- Wide chemical compatibility
- Available in 10" to 40" formats
- Glass fibre or polypropylene media
- 99.9% efficiency

### Performance Characteristics



Pressure Loss/Flow for PLEATFLOW II GF

10" Size (250 mm) Cartridge



Pressure Loss/Flow for PLEATFLOW II PP

10" Size (250 mm) Cartridge

## PLEATFLOW II Filter Cartridges

### Specifications

#### Materials of Construction

- Filtration Media: Polypropylene  
Glass Fibre
- Glass Support: Polypropylene
- Polypropylene Support: Polypropylene
- Inner Support Core: Polypropylene
- Outer Protection Cage: Polypropylene
- Endcaps: Stainless Steel or Polyethersulphone
- Standard o-rings / Gaskets: Nitrile, EPDM, Silicone, Viton

#### Technical Specification

- Materials of Construction
- Filter Media: FDA approved Glass Fibre or Polypropylene
- Drain Layers: FDA approved Polyester or Polypropylene
- Hardware: FDA approved Polypropylene

Filter efficiency 99.98% in liquids as established by standard OSU-F2 particle test using AC Fine/coarse test dust.

#### Recommended Operating Conditions

- Maximum Temperature: 85°C (60°F continuous)
- Maximum Differential Pressure: 5.5 barg (80 psid)
- Recommended Changeout Pressure: 2.5 barg (36 psid)

#### Effective Filtration Area

Polypropylene up to 0.55 m<sup>2</sup> (5.2 ft<sup>2</sup>) per 250 mm (10" module)

Glass Fibre up to 0.48 m<sup>2</sup> (4.5 ft<sup>2</sup>) per 250 mm (10" module)

#### Applications

- Membrane pre-filtration
- Solvents
- Chemical filtration
- Resins and emulsions
- Inks and paints

### Ordering Information

Code   Material	Code   Insert Style	Code   End Fitting	Code   Length (Nominal)	Code   Micron	Code   Seal Material	Code   Gasket Thickness
2G Glass Fibre	1 Standard	1 DOE	10 9.95" (251 mm)	010 1 µm	0 EPDM	DOE only
2P Polypropylene	5 Encapsulated Stainless Steel	2 Flat / 226	20 20" (508 mm)	030 3 µm	1 Nitrile	1 5.08" (0.200 mm)
	6 Endcapsulated Polysulphone	3 Flat / 222	30 30" (762 mm)	050 5 µm	2 Silicone	2 3.18" (0.125 mm)
		6 Flat / 118 / 020	40 40" (1016 mm)	100 10 µm	4 Viton***	
		7 Fin / 226		200 20 µm		
		8 Fin / 222		300 30 µm		
		H 213		700**70 µm		

Standard diameter 2.7" (68mm)

\*\* PP only

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