



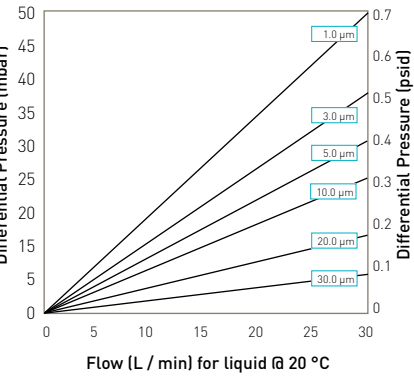
PLEATFLOW II is an absolute rated filter cartridge employing either glass fibre or polypropylene filter media, thermally bonded into rugged polypropylene hardware and offers unsurpassed chemical compatibility and performance.

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

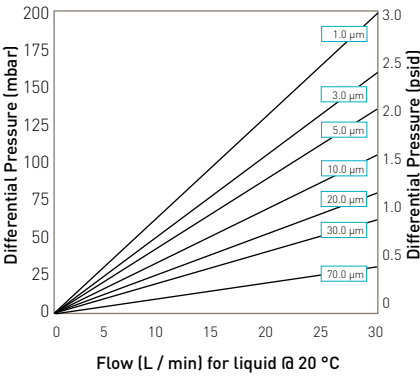
- Absolute rating from 1 to 70 microns
- Wide chemical compatibility
- Available in 10" to 40" formats
- Glass fibre or polypropylene media
- 99.9% efficiency

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

- liquid filters
- glass fibre, polypropylene



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

Effective Filtration Area

Polypropylene up to 0.55 m² (5.2 ft²) per 250 mm (10" module)

Glass Fibre up to 0.48 m² (4.5 ft²) per 250 mm (10" module)

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)

Applications

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

Ordering Information

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| Code   Material                    | Code   Insert Style                                                          | Code   End Fitting                                                                                 | Code   Length (Nominal)                                                                                          | Code   Micron                                                                         | Code   Seat Material                            | Code   Gasket Thickness                              |
|------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------|
| 2G Glass Fibre<br>2P Polypropylene | 1 Standard<br>5 Encapsulated Stainless Steel<br>6 Endcapsulated Polysulphone | 1 DOE<br>2 Flat / 226<br>3 Flat / 222<br>6 Flat / 118 / 020<br>7 Fin / 226<br>8 Fin / 222<br>H 213 | 10 9.95" (251 mm)<br>20 20" (508 mm)<br>30 30" (762 mm)<br>40 40" (1016 mm)<br><br>Standard diameter 2.7" (68mm) | 010 1 μm<br>030 3 μm<br>050 5 μm<br>100 10 μm<br>200 20 μm<br>300 30 μm<br>700**70 μm | 0 EPDM<br>1 Nitrile<br>2 Silicone<br>4 Viton*** | DOE only<br>1 5.08" (0.200 mm)<br>2 3.18" (0.125 mm) |

\*\* PP only

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