



# 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.

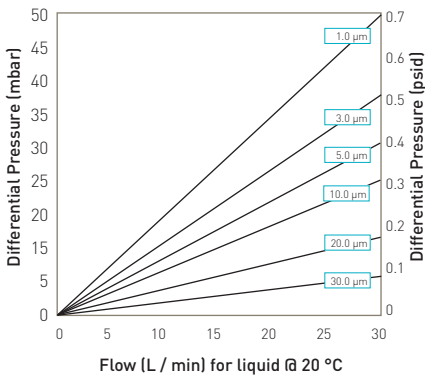
Pleatpack optimisation ensures higher throughputs, low pressure loss, high dirt capacity, long on stream life and lower filtration costs. Thermal bonding of the assembly not only guarantees the cartridge integrity but also benefits users by eliminating the need for glues or adhesives, thus minimizing 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

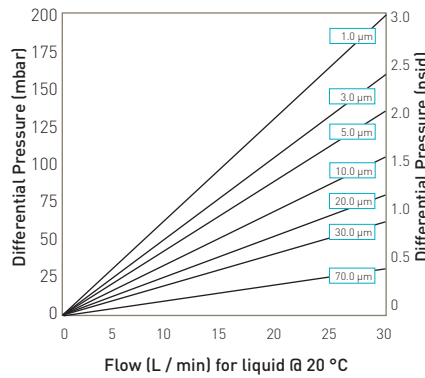


## Performance Characteristics



Pressure Loss/Flow for PLEATFLOW II GF

10" Size (250 mm) Cartridge



Pressure Loss/Flow for PLEATFLOW II PP

10" Size (250 mm) Cartridge

## 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 2P Polypropylene	1 Standard 5 Encapsulated Stainless Steel 6 Endcapsulated Polysulphone	1 DOE 2 Flat / 226 3 Flat / 222 6 Flat / 118 / 020 7 Fin / 226 8 Fin / 222 H 213	10 9.95" (251 mm) 20 20" (508 mm) 30 30" (762 mm) 40 40" (1016 mm)  Standard diameter 2.7" (68mm)	010 1 µm 030 3 µm 050 5 µm 100 10 µm 200 20 µm 300 30 µm 700**70 µm	0 EPDM 1 Nitrile 2 Silicone 4 Viton***	DOE only 1 5.08" (0.200 mm) 2 3.18" (0.125 mm)

\*\* PP only

\*\*\*Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.

PROSEP FILTER SYSTEMS LTD  
Unit G19  
River Bank Way  
Lowfields Business Park  
Elland  
West Yorkshire  
HX5 9DN

**Tel: 01422 377367**

**Fax: 01422 377369**

Email: [enquiries@prosep.co.uk](mailto:enquiries@prosep.co.uk)

[www.prosep.co.uk](http://www.prosep.co.uk)

**Map and Directions to Prosep Filters Limited**



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)