



# PLEATFLOW Filter Cartridges

- liquid filters
- polyester, glass fibre, polypropylene, cellulose

The PLEATFLOW range of filter cartridges offer the ideal solution for pre and final filtration of a wide variety of process liquids and gases, giving long service life at minimal cost. PLEATFLOW filter's offer an absolute rated, cost effective, high surface area pleated process filters.

PLEATFLOW is manufactured utilising graded density media, and is available in a variety of materials, making the filter suitable for use in a wide range of process applications.

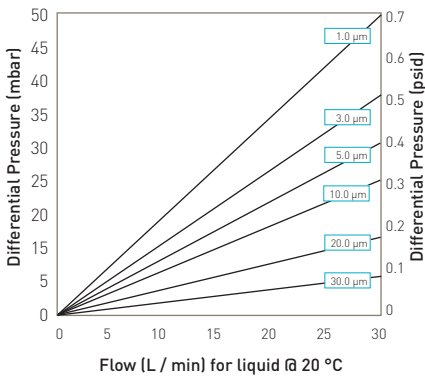
The 100% polypropylene hardware construction of the filter cartridges ensures minimum extractable levels with a range of Industrial solvents and gases, and guaranteed integrity when used in physically demanding applications.



## Features and Benefits

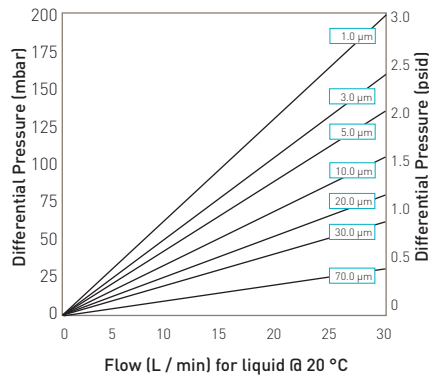
- Absolute rating from 1.0 to 75 microns
- Available in 4" to 40" formats
- Endcaps available to retrofit all standard industry housings
- Minimum extractables with Industrial solvents and gases

## Performance Characteristics



Pressure Loss/Flow for PLEATFLOW GF

10" Size (250 mm) Cartridge



Pressure Loss/Flow for PLEATFLOW PP

10" Size (250 mm) Cartridge

## Specifications

### Materials of Construction

- Filtration Media: Polyester  
Glass Fibre / Polyester  
Cellulose  
Polypropylene / Polyester  
Polypropylene
- Inner Support Core: Polypropylene /  
Stainless Steel
- Outer Protection Cage:  
Rigid outer Polypropylene  
Net Polyethylene
- Endcaps: Polypropylene / Nylon
- Standard o-rings / Gaskets: Nitrile  
EPDM  
Silicone  
Viton  
Polyethylene

### Effective Filtration Area

Polypropylene up to 0.55 m<sup>2</sup> (5.9 ft<sup>2</sup>) per 250 mm (10" module)

Glass Fibre up to 0.48 m<sup>2</sup> (5.2 ft<sup>2</sup>) per 250 mm (10" module)

### Recommended Operating Conditions

Maximum Temperature: 65°C (149°F)  
Maximum Differential Pressure: 4 barg (58 psid)  
Recommended Changeout Pressure: 2.5 barg (36 psid)

Micron Rating	Liquid Service	
	90% Efficiency (micron)	Absolute Efficiency (micron)
1	0.25	1.0
2	0.5	2.0
3	0.75	3.0
5	1.0	5.0
10	3.0	10.0
20	10.0	20.0
35	15.0	35.0
50	25.0	50.0

NOTE: PLEATFLOW GF and PP cartridges can be manufactured to meet the requirements of the food processing industry and are designed to operate at a maximum working temperature of 65°C (149°F) and maximum differential pressure of 4 barg. If applications require temperatures and pressures beyond these limits Parker domnick hunter can fit elements with stainless steel cores and end caps.

### Applications

- Re-circulating liquids
- Reagent grade chemicals
- Make-up and wash waters
- Membrane prefiltration
- Oils and acids
- Alkalies
- Solvents
- Catalyst recovery

## Ordering Information

Code   Length (Nominal)	Code   Micron	Code   Media	Code   Core / Endcap	Code   Outer Cage	Code   End Fitting	Code   Seal Material
04 4" (100 mm)	01 1* µm	01 Polyester	1 Zintec	1 Black net	0 Double open end	E EPDM
05 5" (125 mm)	02 2* µm	02 Glass Fibre / Polyester	2 Polypropylene	2 Blue net	2 Flat /226	N Nitrile
06 6" (160 mm)	03 3* µm	03 Polyester	3 S.S. / Nylon	3 Green net	3 Flat / 222	S Silicone
09 9.75" (247 mm)	05 5 µm	03 Cellulose	4* All Stainless Steel	4 Natural net	6 Flat / 118 / 020	V Viton****
10 9.875" (251 mm)	10 10 µm	04 Polypropylene / Polyester	5 Stainless Steel	5 Red net	7 Fin / 226	O No gasket
11 10" (254 mm)	20 20 µm	T5 Polypropylene	8 Glass Poly /Poly	6 Orange net	8 Fin / 222	
19 19.75" (500 mm)	25 25 µm			7 Rigid net (standard)	8 Single open end	
20 20" (508 mm)	30 30 µm			8 Heavy duty	0 Flat (no recess) +222	
29 29.50" (750 mm)	35 35 µm			9 Rigid outer (d60) RN221		
30 30" (762 mm)	50 50 µm			0 No outer cage		
39 39.25" (1000 mm)	75 75** µm			Z Zintec		
40 40" (1016 mm)	99 100*** µm			S Stainless Steel		

\* Not cellulose  
\*\* Polypropylene only  
\*\*\* Polyester only

\* DOE only

Cartridge lengths are measured over end cap shoulders. For DOE type cartridge lengths are measured over gaskets. Standard elements have diameter 2.7" (68mm) In nominal lengths of 10, 20, 30, 40 inches (250, 500, 750, 1000mm) Other dimensions available on request.

\*\*\*\*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.

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**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](#)