

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.

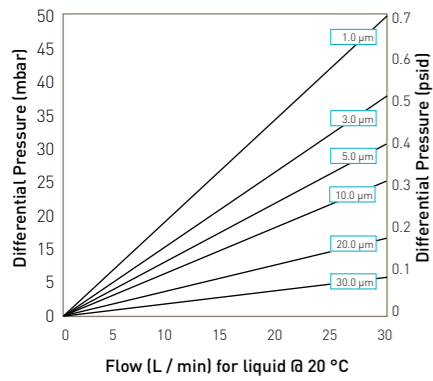
PLEATFLOW is manufactured utilising graded density media, and is available in a variety of materials, making the filter suitable for use in a wide range of process applications.

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

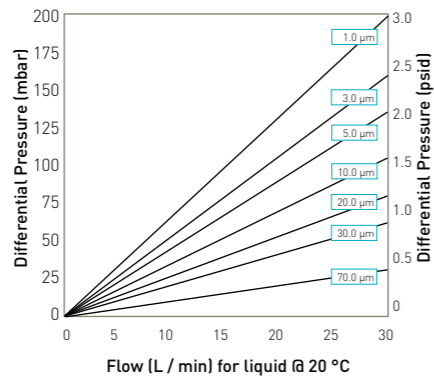
- Absolute rating from 1.0 to 75 microns
- Available in 4" to 40" formats
- Endcaps available to retrofit all standard industry housings
- Minimum extractables with Industrial solvents and gases

Performance Characteristics



Pressure Loss/Flow for PLEATFLOW GF

10" Size (250 mm) Cartridge



Pressure Loss/Flow for PLEATFLOW PP

10" Size (250 mm) Cartridge

PLEATFLOW Filter Cartridges

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

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

Effective Filtration Area

Polypropylene up to 0.55 m² (5.9 ft²) per 250 mm (10" module)

Glass Fibre up to 0.48 m² (5.2 ft²) per 250 mm (10" module)

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 Polypropylene / Glass Poly / Poly	6 Orange net	8 Fin / 222	
19 19.75" (500 mm)	25 25 µm			7 Rigid net (standard)	S Single open end Flat (no recess) +222	
20 20" (508 mm)	30 30 µm			8 Heavy duty		
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		

* DOE only

** Not cellulose
*** Polypropylene only
**** Polyester 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.

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