



POLYFLOW II G Filter Cartridges

- liquid filters
- polypropylene

POLYFLOW II G depth media has been developed for a wide variety of general process applications from fluid clarification to general prefiltration. Its high dirt-loading, random-fibre polypropylene depth media provides consistent particle retention.

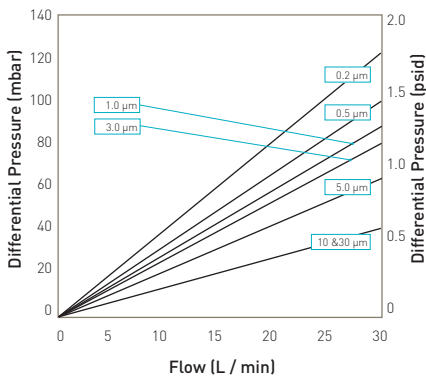
POLYFLOW II G is thermally bonded from 100% polypropylene to ensure clean filtrates and excellent chemical and thermal compatibility in the most stringent of processing conditions. POLYFLOW II G leads in overall reduction of filtration costs when compared to spunbonded, stringwound, and nominally-rated pleated prefilter cartridges. Its longer filtration life reduces downtime due to change-outs.

Features and Benefits

- High flow rate / long service life reduces processing
- Available in 0.2 to 30 micron
- 80% efficiency
- Broad chemical compatibility allows use in most applications



Performance Characteristics



10" Size (250 mm) Cartridge

Specifications

Materials of Construction

- Filtration Media : Polypropylene
- Upstream Support : Polypropylene
- Downstream Support : Polypropylene
- Inner Support Core : Polypropylene
- Outer Protection Cage : Polypropylene
- End Caps : Polypropylene
- End Cap Insert : Polypropylene (if applicable)
- Standard o-rings/gaskets : Nitrile

Maximum Operating Temperature

71°C (160°F)

Recommended Operating Conditions

Up to 70 °C (158 °F) continuous operating temperature and higher short-term temperatures during CIP to the following limits:

Temperature		Max. Forward dP	
°C	°F	[bar]	[psid]
20	68	5.0	72.5
40	104	4.0	58.0
60	140	3.0	43.5
80	176	2.0	29.0
90	194	1.0	14.5
>100 (steam)	>212 (steam)	0.3	4.0

Effective Filtration Area (EFA)

10" (250 mm) 0.33 m² (3.22 ft²)

Applications

- Solvent filtration
- Liquid clarification
- Recirculating liquid
- Reagent-grade chemicals

Ordering Information

P2	G	□	0	□	-	□	-	□	-	□
Code Insert style	Code End fitting	Code Length (Nominal)	Code Micron	Code Seal	Code Gasket / O-rings					
1 None (std) 5 Encapsulated 316 Stainless Steel 6 Encapsulated Polysulphone A* Short neck	0 DOE (C) 1 DOE 2 Flat / 226 3 Flat / 222 6 Flat / 020 / Internal 7 Fin / 226 8 Fin / 222 G 213 / Internal / O-ring DOE H 213 / Internal / O-ring recessed blank R 222 / Recessed Blank	10 10" (250 mm) 20 20" (500 mm) 30 30" (750 mm) 40 40" (1000 mm)	002 0.2 005 0.5 010 1.0 030 3.0 050 5.0 100 10.0 300 30.0	0 Buna N 1 EPDM 2 Silicone 4 Viton* 5* FEP Viton 6* FEP Silicone N None	1 5mm (0.200") 2 3mm (0.125") 4 (1) 5mm (0.200") and (1) 3mm (0.125") N No Gaskets					

*Code 3 and 8 only

*O-rings only

Minimum Box Quantity

5"	12
10"	28
20"	12
30"	12
40"	9

*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](#)