



POLYFLOW II G Filter Cartridges

- liquid filters
- polypropylene



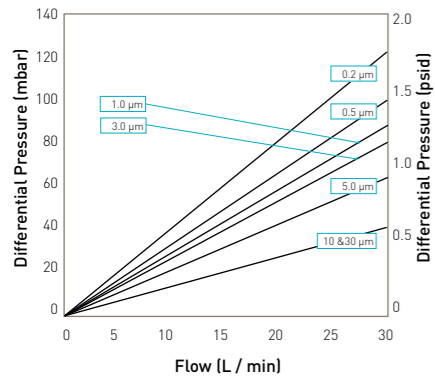
POLYFLOW II G depth media has been developed for a wide variety of general process applications from fluid clarification to general prefiltration. Its high dirt-loading, random-fibre polypropylene depth media provides consistent particle retention.

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
- Broad chemical compatibility allows use in most applications
- 80% efficiency

Performance Characteristics



10" Size (250 mm) Cartridge

POLYFLOW II G Filter Cartridges

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

Recommended Operating Conditions

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

Temperature °C	Temperature °F	Max. Forward dP (bar)	Max. Forward dP (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

Maximum Operating Temperature

71°C (160°F)

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** **0** **-** **0** **-** **0** **-** **0**

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

*Code 3 and 8 only

* O-rings only

Minimum Box Quantity	
5"	12
10"	28
20"	12
30"	12
40"	9

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