



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.

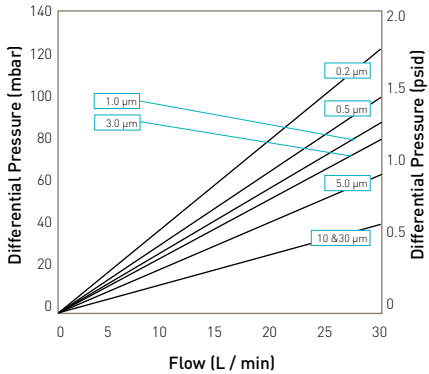
POLYFLOW II G is thermally bonded from 100% polypropylene to ensure clean filtrates and excellent chemical and thermal compatibility in the most stringent of processing conditions. POLYFLOW II G leads in overall reduction of filtration costs when compared to spunbonded, stringwound, and nominally-rated 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

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)	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
A*	Short neck	3	Flat / 222	40	40" (1000 mm)	030	3.0	4	Viton*	(1) 3mm (0.125")	
		6	Flat / 020 / Internal			050	5.0	5*	FEP Viton	N	No Gaskets
		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 Bo											

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

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