

Polyflow®-G

All-polypropylene nominal-rated depth cartridges for economical prefiltration

Polyflow®-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-fiber polypropylene depth media provides consistent particle retention.

Polyflow®-G is thermally bonded from 100% virgin polypropylene to ensure clean filtrates and excellent chemical and thermal compatibility in the most demanding processing conditions.

Polyflow®-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 fewer change-outs.



Contact Information

Parker-Hannifin Corporation
domnick hunter
Process Filtration - N.A.
2340 Eastman Avenue
Oxnard, California, USA 93030

toll free +1 877 784 2234
phone +1 805 604 3400
fax +1 805 604 3401
dhpsales.na@parker.com

www.parker.com/processfiltration

Benefits

- High flow rate and long service life reduce processing time
- Broad chemical compatibility allows use in most applications
- Thermally bonded construction minimizes extractables for cleaner filtrates

Applications

- Liquid clarification
- General water filtration
- Beverage/wine clarification
- RO/DI prefiltration



ENGINEERING YOUR SUCCESS.

Polyflow®-G

SPECIFICATIONS

Materials of Construction

Depth media: Polypropylene
 Support layers: Polypropylene
 Structure: Polypropylene
 All components are thermally bonded to ensure integrity and to reduce extractables.

Nominal Filter Ratings

0.2µm, 0.5µm, 1µm, 3µm, 10µm, and 30µm

Effective Filtration Area

3.6ft² (0.33 m²) per 10" (250mm) cartridge

Cartridge Extractables

NVR < 35mg per 10" (250mm) cartridge

Biological Safety

All components meet USP specifications for Class VI-121°C plastics criteria

Maximum Differential Pressure/ Temperature

Forward: 80psid (5.5bar) @ 75°F (24°C)
Reverse: 40psid (2.8bar) @ 75°F (24°C)
 15psid (1.0bar) @ 140°F (60°C)

Maximum Operating Temperature

160°F (71°C)

Bulk Packaging

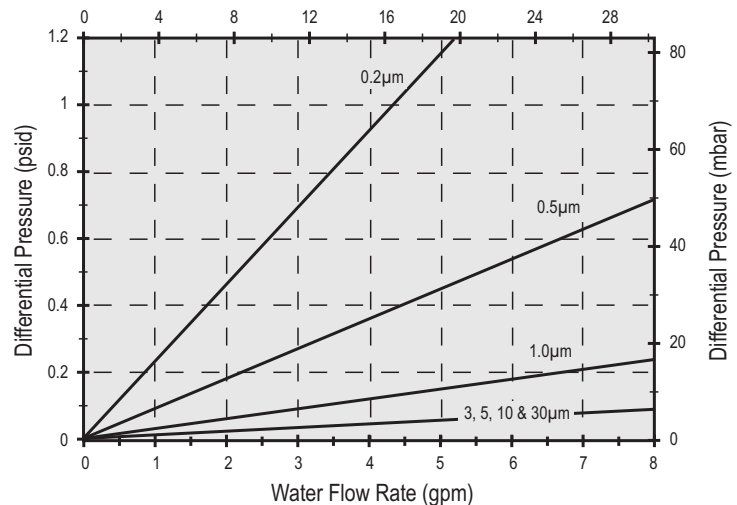
Size (in.)	Qty. per carton
5	12
10	28
20	12
30	12
40	9

Performance Attributes

Water flow rates, Typical*		
Micron	gpm/psid	lpm/100mbar
0.2	4.2	23
0.5	11.0	60
1.0	33.0	181
3.0	70.0	384
5.0	70.0	384
10.0	70.0	384
30.0	70.0	384

* Per 10-inch (250mm) cartridge equivalent & for fluids with viscosity of 1cP.

10-inch (250mm) Cartridge
 Water Flow Rate (lpm)



Ordering Information

Each cartridge is identified with a product number, pore size and lot number for traceability.

PG - 10 [] - [] [] [] - [] [] [] []

End Fitting		Nominal Length			Filter Rating		Gasket O-Rings		Gasket Only		
CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS	
										INCHES	mm
0	DOE (Cuno®)	05	5"	125	002	0.2	0	Buna-N	1	0.200"	5
1	DOE	10	10"	250	005	0.5	1	EPDM	2	0.125"	3
2	226 Flat	20	20"	500	010	1.0	2	Silicone	4	Viton®	
3	222 Flat	30	30"	750	030	3.0	5*	FEP Encapsulated Viton®	4	(1) 0.200"	5
6	020 Internal Flat	40	40"	1000	050	5.0	6*	FEP Encapsulated Silicone	4	(1) 0.125"	3
7	226 Fin				100	10.0	N	None	N	No Gasket	
8	222 Fin				300	30.0					
G	120 Internal Recessed End cap										
H	213 Recessed End cap (Ametek)										
J	120 O-ring/Fin										
R	222 Recessed End cap										

*O-Rings only

Specifications are subject to change without notification.
 For User Responsibility Statement, see www.parker.com/safety
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