

# POLYFLOW®-G

All-polypropylene nominally 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 changeouts.

## 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

## SPECIFICATIONS

### Materials of Construction:

Depth media	Polypropylene
Support layers	Polypropylene
Structure	Polypropylene

All components are thermally bonded to ensure integrity and reduce extractables

### Maximum Differential Pressure/Temperature:

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

### Nominal Filter Ratings:

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

### Effective Filtration Area:

3.6 ft<sup>2</sup> (0.33 m<sup>2</sup>) per 10 inch (250 mm) cartridge

### Cartridge Extractables:

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

### Biological Safety:

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

### Maximum Operating Temperature:

160°F (71°C)

### Bulk Packaging:

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

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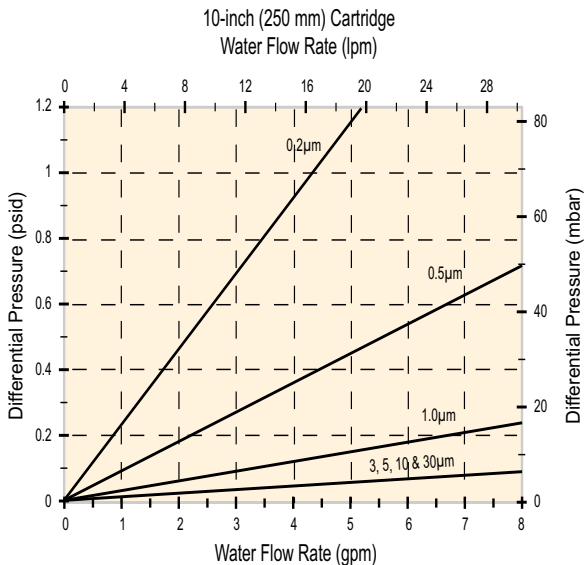
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## PERFORMANCE ATTRIBUTES

### Water in Flow Rates, Typical \*

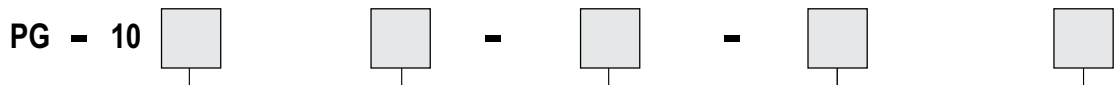
0.2 µm	4.2 gpm/psid (23.3 lpm/100 mbar)
0.5 µm	11.0 gpm/psid (60.4 lpm/100 mbar)
1.0 µm	33.0 gpm/psid (181.1 lpm/100 mbar)
3.0 µm	70.0 gpm/psid (384.2 lpm/100 mbar)
5.0 µm	70.0 gpm/psid (384.2 lpm/100 mbar)
10.0 µm	70.0 gpm/psid (384.2 lpm/100 mbar)
30.0 µm	70.0 gpm/psid (384.2 lpm/100 mbar)

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



## ORDERING INFORMATION

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



End Fitting	
CODE	DESCRIPTION
0	DOE (CUNO®)
1	DOE
2	226/Flat
3	222/Flat
6	020/Internal/Flat
7	226/Fin
8	222/Fin
G	120/Internal/Recessed
H	End Cap
R	213/Recessed End Cap (Ametek)
	222/Recessed End Cap

Nominal Length	
CODE	LENGTH
05	5" (125 mm)
10	10" (250 mm)
20	20" (500 mm)
30	30" (750 mm)
40	40" (1,000 mm)

Filter Rating	
CODE	MICRON
002	0.2 µm
005	0.5 µm
010	1.0 µm
030	3.0 µm
050	5.0 µm
100	10.0 µm
300	30.0 µm

Gasket/O-Rings	
CODE	MATERIAL
0	Buna N (Standard)
1	EPDM
2	Silicone
4	Viton®
5*	FEP Encapsulated Viton®
6*	FEP Encapsulated Silicone
N	None

Gasket Thickness	
CODE	DESCRIPTION
1	0.200" (5mm)
2	0.125" (3mm)
4	(1) 0.200" (5mm) & (1) 0.125" (3mm)
N	None

\*O-Rings only

## TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker provides our customers with unsurpassed product consistency and cost efficiency. Our experienced professionals can help you select the right solution for your application. Orders can be emailed directly to PAFsales@parker.com. For additional information contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at [www.parker.com](http://www.parker.com) or through the Oxnard office.

Parker designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Coatings and Inks, Process and Chemical industries.

## DISTRIBUTED BY:



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