

# 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

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## 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

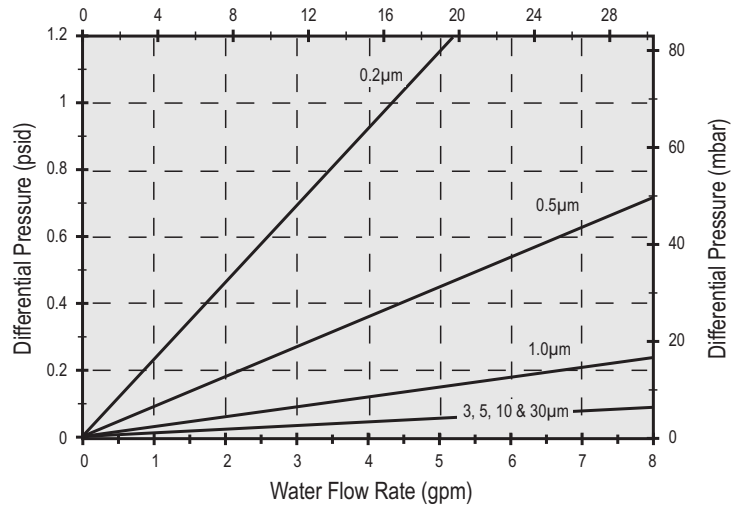
| Size (in.) | Qty. per carton |
|------------|-----------------|
| 5          | 12              |
| 10         | 28              |
| 20         | 12              |
| 30         | 12              |
| 40         | 9               |

## 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    | 2                | EPDM                      | 2           | 0.125"     | 3  |
| 2           | 226   Flat                        | 20             | 20"    | 500  | 010           | 1.0    | 4                | Silicone                  | 4           | Viton®     |    |
| 3           | 222   Flat                        | 30             | 30"    | 750  | 030           | 3.0    | 5*               | FEP Encapsulated Viton®   | 5*          | (1) 0.200" | 5  |
| 6           | 020   Internal   Flat             | 40             | 40"    | 1000 | 050           | 5.0    | 6*               | FEP Encapsulated Silicone | 6*          | (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](http://www.parker.com/safety)  
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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](#)