

# POLYFLOW®-G

All-Polypropylene 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 stringent of 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 change-outs.

## **BENEFITS**

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

## **APPLICATIONS**

- Solvent Filtration
- Liquid Clarification
- Recirculating Liquids
- General Water Filtration
- Reagent-Grade Chemicals
- Beverage/Wine Clarification
- RO/DI Pre-filtration
- Waste Water

## **SPECIFICATIONS**

### **NOMINAL FILTER RATINGS**

0.2 µm, 0.5 µm, 1 µm, 3 µm, 5 µm, 10 µm, and 30 µm

### **MATERIALS OF CONSTRUCTION**

Depth Media: Polypropylene  
Support Layers: Polypropylene  
Structure: Polypropylene

All components are thermally bonded to assure integrity and to reduce extractables.

### **MAXIMUM DIFFERENTIAL PRESSURE**

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)

### **MAXIMUM OPERATING TEMPERATURE**

160°F (71°C)

### **BIOLOGICAL SAFETY**

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

### **BULK PACKAGING**

Bulk packaged in case quantities:

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

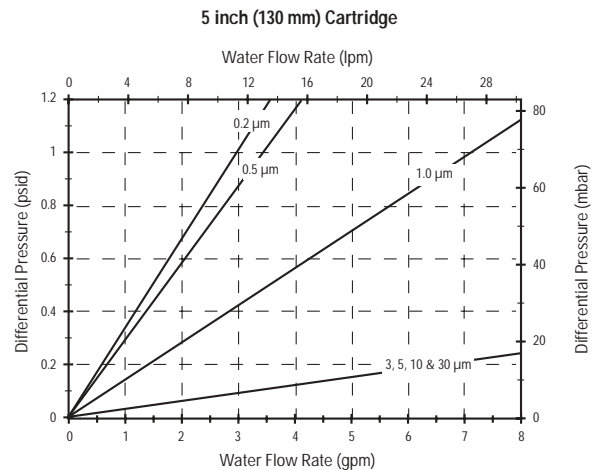
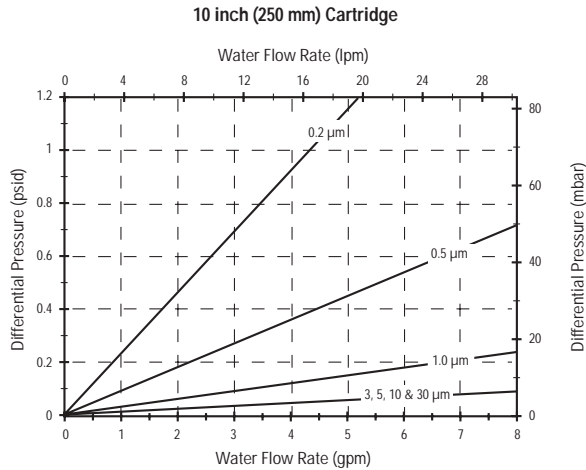
### **CARTRIDGE DIMENSIONS**

Diameter:	2.75" (69 mm)
Lengths:	5" (125 mm)
	10" (250 mm)
	20" (500 mm)
	30" (750 mm)
	40" (1000 mm)

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### PERFORMANCE ATTRIBUTES



### ORDERING INFORMATION

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

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End Fitting				Nominal Length		Filter Rating		Gasket/O-Rings		Gasket Thickness	
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	LENGTH	CODE	MICRON	CODE	MATERIAL	CODE	DESCRIPTION
0	DOE (CUNO®)	8	222/Fin	05	5" (125 mm)	002	0.2	0	Buna N (Standard)	1	0.200" (5 mm)
1	DOE	G	120/Internal/Recessed Endcap	10	10" (250 mm)	005	0.5	1	EPDM	2	0.125" (3 mm)
2	226/Flat	H	213/Recessed Endcap (Ametek)	20	20" (500 mm)	010	1	4	Viton®	4	(1) 0.200" (5 mm) & (1) 0.125" (3 mm)
3	222/Flat	R	222/Recessed Endcap	30	30" (750 mm)	030	3	5*	Encapsulated Viton®	N	None
6	020/Internal/Flat			40	40" (1000 mm)	050	5	6*	Encapsulated Silicone		
7	226/Fin					100	10	N	None		
						300	30				

\*O-Rings only

### TECHNICAL SUPPORT and PRODUCT ORDERING

PTI Advanced Filtration provides unsurpassed product consistency and cost-efficiency for our customers. Our experienced professionals can help you select the right solution for your application. For more information or to place an order, contact your local distributor.

PTI designs and manufactures an extensive line of innovative solutions for specific applications in Biopharmaceutical, Microelectronics, Food & Beverage, Industrial and Chemical industries.

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