

# Polyflow®



## Absolute-rated polypropylene depth cartridges for electronics applications

Polyflow® cartridges are optimized for use in electronics applications. They feature a random-fiber polypropylene depth matrix that provides excellent retention efficiencies and onstream life. The unique calendering process produces depth media with an absolute rating and superior dirt-holding capacity.

These cartridges are thermally bonded from 100% virgin polypropylene to ensure a high level of cleanliness and chemical compatibility.



### Benefits

- High-retention depth matrix
- High flow rate
- Wide variety of configurations and ratings
- Economical prefiltration

### Applications

- Solder plating
- Prefiltration of electronics-grade chemicals
- DI water

**Parker Hannifin Corporation** provides our customers with unsurpassed product consistency and cost-efficiency.

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.

**Parker Hannifin Corporation** designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Industrial and Chemical industries.



ENGINEERING YOUR SUCCESS.

# Polyflow®

## Specifications

### Materials of Construction

Depth media : Polypropylene  
 Support layers : Polypropylene  
 Structure : Polypropylene

### Effective Filtration Area

2.4ft<sup>2</sup> (0.22 m<sup>2</sup>) 5" (130mm) cartridges  
 4.9ft<sup>2</sup> (0.46 m<sup>2</sup>) 10" (250mm) cartridges

### Filtration Efficiency

The 0.6µm offers typical retention up to 99% efficient. 1.2µm, 2.5µm, 5µm, 10µm, 20µm, and 40µm are up to 99.9% efficient at specified pore size.

### Cartridge Extractables

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

### 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

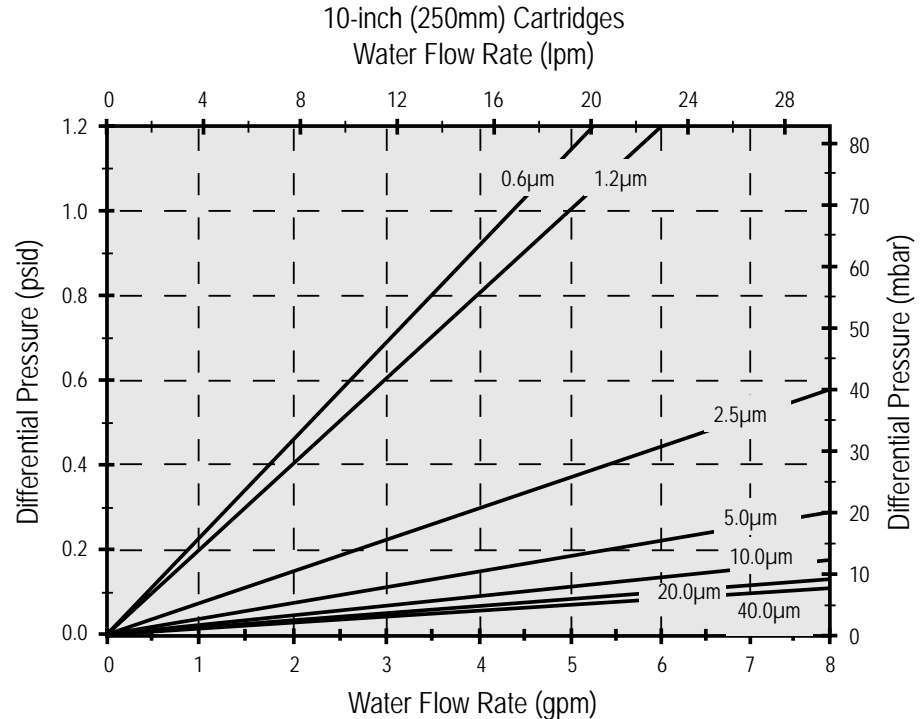
160°F (71°C)

## Performance Attributes

### Water Flow rates, Typical \*

0.6µm	4.2gpm/psid (23.3lpm/100mbar)	10.0µm	40.0gpm/psid (219.6lpm/100mbar)
1.2µm	5.0gpm/psid (27.4lpm/100mbar)	20.0µm	50.0gpm/psid (274.4lpm/100mbar)
2.5µm	13.5gpm/psid (74.1lpm/100mbar)	40.0µm	60.0gpm/psid (329.3lpm/100mbar)
5.0µm	26.0gpm/psid (142.7lpm/100mbar)		

\*Per 10-inch (250 mm) cartridge equivalent.



## Ordering Information

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

22 - [ ] 0 [ ] [ ] [ ] - [ ] [ ] [ ] - [ ] [ ]

Insert Style		End Fitting		Nominal Length		Filter Rating		Gasket/O-Rings		Thickness (Gaskets Only)	
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	LENGTH	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS
1	None (STD)	0	DOE (CUNO)	05	5" (125mm)	006	0.6µm	0	Buna N	1	0.200" (5mm)
5	Encapsulated 316L Stainless Steel	1	DOE	10	10" (250mm)	012	1.2µm	1	EPDM	2	0.125" (3mm)
6	Encapsulated Polysulfone	2	226/Flat	20	20" (500mm)	025	2.5µm	2	Silicone	4	(1) 0.200" (5mm) & (1) 0.125" (3mm)
A	1/2" Shortened on 222 Fitting	3	222/Flat	30	30" (750mm)	050	5.0µm	4	Viton®	N	No Gasket
		6	020/Internal/Flat	40	40" (1,000mm)	100	10.0µm	5*	FEP Encapsulated Viton		
		7	226/Fin			200	20.0µm	6*	FEP Encapsulated Silicone		
		8	222/Fin			400	40.0µm	N	None		
		G	120/Internal/Recessed Endcap								
		H	213/Recessed Endcap (Ametek)								
		R	222/Recessed Endcap								

\*O-rings only



**FLOW TECH CORPORATION**  
 (Toll Free) 877.375.1290  
 7601 Stadium Drive Kalamazoo, MI 49009  
[www.flowtechfilters.com](http://www.flowtechfilters.com)