

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 calendaring 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.



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

Applications

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



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Polyflow®

SPECIFICATIONS

Materials of Construction

Depth media: Polypropylene

Support layers: Polypropylene

Structure: Polypropylene

All components are thermally bonded to ensure integrity and minimize extractables.

Effective Filtration Area

2.4ft² (0.22 m²) 5" (130mm) cartridges

4.9ft² (0.46 m²) 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)

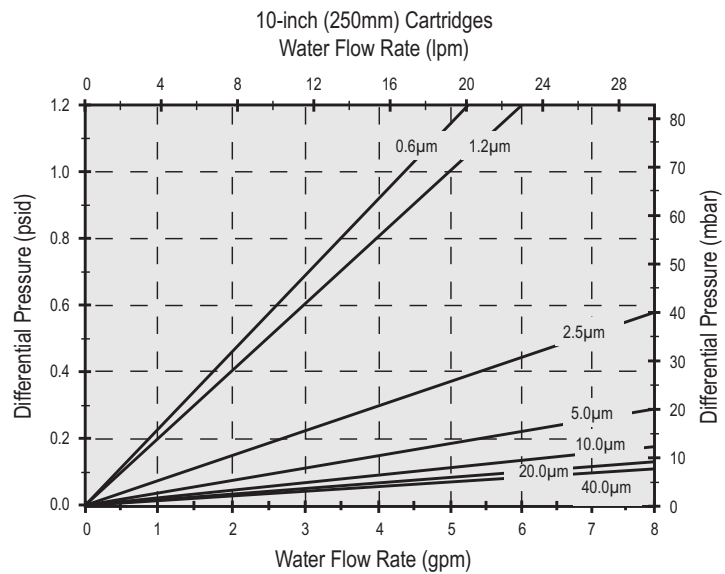
Maximum Operating Temperature

160°F (71°C)

Performance Attributes

Water flow rates, Typical*		
Micron	gpm/psid	lpm/100mbar
0.6	4.2	23
1.2	5.0	27
2.5	13.5	74
5.0	26.0	143
10.0	40.0	220
20.0	50.0	274
40.0	60.0	329

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



Ordering Information

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

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Styles		End Fitting		Nominal Length			Filter Rating		Gasket/O-Rings		Gaskets		
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS	
												INCHES	mm
1	None (Std.)	0	DOE (CUNO®)	05	5"	130	006	0.6	0	Buna-N	1	0.200"	5
5	Encapsulated 316L Stainless Steel	1	DOE	10	10"	250	012	1.2	1	EPDM	2	0.125"	3
6	Encapsulated Polysulfone	2	226 Flat	20	20"	500	025	2.5	2	Silicone	4	(1) 0.200"	5
A	1/2" Shortened on 222 Fitting	3	222 Flat	30	30"	750	050	5.0	4	Viton®	4	(1) 0.125"	3
		6	020 Internal Flat	40	40"	1000	100	10.0	5*	FEP Encapsulated Viton®	N	No Gasket	
		7	226 Fin				200	20.0	6*	FEP Encapsulated Silicone			
		8	222 Fin				400	40.0	N	None			
		G	120 Internal Recessed Endcap										
		H	213 Recessed Endcap (Ametek®)										
		R	222 Recessed Endcap										

*O-Rings only

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