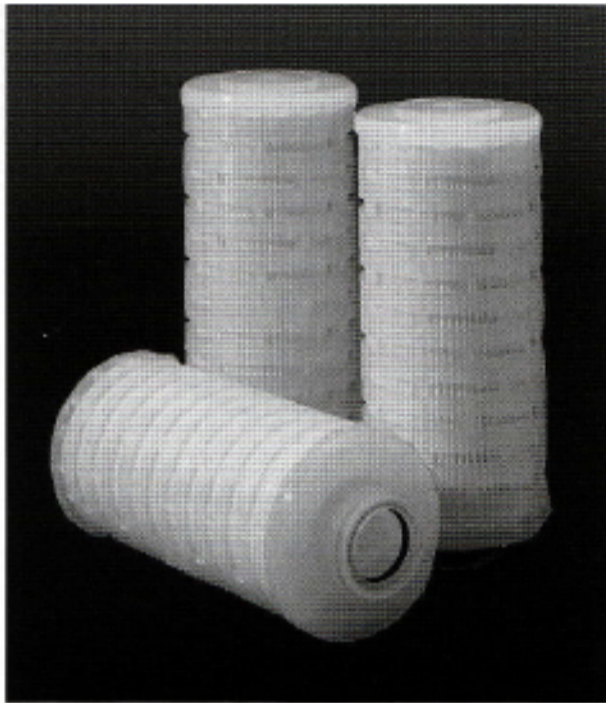


POLYFLOW® MINI-CARTRIDGES

Small-volume filters with polypropylene depth matrix for prefiltration applications



Polyflow® mini-cartridges feature a random fiber polypropylene depth matrix that provides superior retention efficiencies. In addition, the unique calendaring process produces depth media with unsurpassed dirt-holding capacity extending service life. Longer product life brings to increased savings by requiring fewer filter Changeouts.

Polyflow® mini-cartridges match popular batch sizes and minimize hold-up volume. Cost savings result from reduction of lost product and by scaling the process properly to avoid wasting excess filter capacity.

BENEFITS

- High flow rate reduces processing time
- Long service life minimizes Changeout frequency
- Broad chemical compatibility enables use in a range of applications
- High retention efficiency provides excellent protection for downstream filters
- Non-pyrogenic (per LAL test) for use in critical applications
- End fitting provides a secure O-ring seal (-116) available in a number of materials
- Low hold-up volume

APPLICATIONS

- Small scale prefiltration
- General water filtration
- Vent filtration

SPECIFICATIONS

Materials of Construction:

Depth Media	Polypropylene
Support Layers	Polypropylene
Structure	Polypropylene

Maximum Differential Pressure/Temperature:

Forward	70 psid (4.8 bar) @ 75°F (24°C)
	35 psid (2.4 bar) @ 140°F (60°C)
	20 psid (1.4 bar) @ 167°F (75°C)
Reverse	30 psid (2.1 bar) @ 75°F (24°C)

Filtration Efficiency:

The 0.6 µm offers typical retention efficiency of up to 97-99%. 1.2 µm, 2.5 µm, 5.0 µm, and 10.0 µm are 99.9% efficient at the specified pore size.

Cartridge Extractables:

NVR < 3 mg per double size mini-cartridge

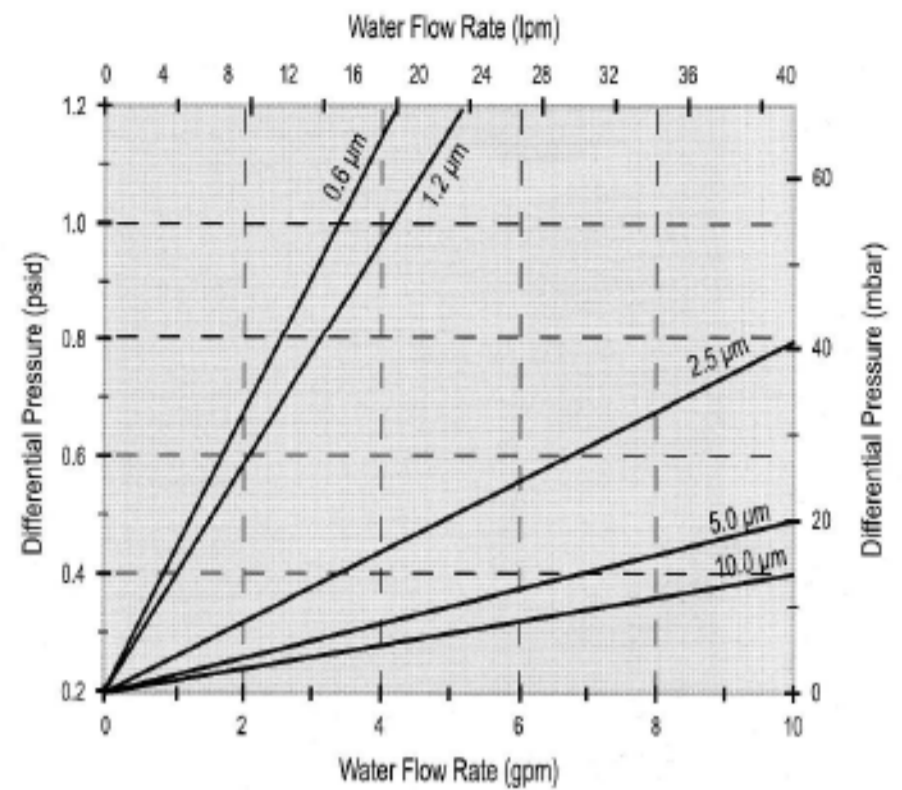
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PERFORMANCE ATTRIBUTES

FILTER RATING	NOMINAL EFA		TYPICAL WATER FLOW RATE*		TYPICAL AIR FLOW RATE	
	ft ²	cm ²	gpm/psid	lpm/100mbar	scfm/psid	Nm ³ /hr/100mbar
0.6 µm	0.9	836	1.0	5.5	7.6	18.8
1.2 µm	1.6	1486	2.1	11.5	12.0	24.0
2.5 µm	2.0	1858	3.3	18.1	15.4	38.1
5.0 µm	2.1	1950	6.0	32.9	20.0	49.5
10.0 µm	2.1	1950	6.5	35.7	26.6	65.7

*For fluids with viscosity of 1cP.



ORDERING INFORMATION

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

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Filter Rating	
CODE	MICRON
006	0.6 µm
012	1.2 µm
025	2.5 µm
050	5.0 µm
100	10.0 µm

O-ring	
CODE	MATERIAL
0	Buna N
1	EPDM
2	Silicone
4	Viton®
6	FEP Encapsulated Silicone
N	None

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 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.

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