

CLARIPOR™ PLEATED DEPTH FILTER CARTRIDGE

Polypropylene pleated depth media for critical process applications

The best of pleated and depth style technologies combine in Parker's Claripor™ pleated depth filter cartridges. The unique layered construction provides absolute retention with high flow rates and excellent gel removal. These features, in addition to Claripor's high contaminant holding capacity and exceptional clarifying ability make it an ideal choice for a wide array of critical process applications.

Claripor cartridges are available with polypropylene media in absolute (99.98%) micron ratings from 0.5 to 90 microns.

Benefits

- Pleated construction yields high flow rates compared to traditional depth filters
- Rigid cage design permits superior strength
- Graded density layering for superior removal of amorphous particles
- Available with all industry standard end configurations
- Absolute retention ratings for critical filtration
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Manufactured with strict quality control
- ISO 9001 registered company
- Formed by thermal bond without use of any binders and adhesives

Applications

- Critical coatings
- Inkjet inks
- Specialty chemicals



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Specifications

Materials of Construction

Media: Polypropylene
Support/Drainage: Polypropylene
Hardware: Polypropylene
O-Rings (SOE): EPR, Buna-N, Viton®, Silicone, PFA Encapsulated Viton®
Gaskets (DOE): EPR, Buna-N, Viton®, Silicone

Maximum Recommended Operating Conditions

Flow Rate: 5gpm (18.9 lpm) per 10" equivalent

Change-out Pressure: 35psid (2.4bar)

Retention Ratings (99.98%):

0.5, 1.5, 3, 4.5, 10, 20, 30, 40, 70, 90 µm

Maximum Operating Conditions

Maximum Temperature: 176°F (80°C) @ 30psid (2.1bar)

Maximum Differential Pressure:

- 70psi (4.8bar) @ 77°F (25°C)
- 30psi (2.1bar) @ 176°F (80°C)

Dimensions (nominal):

- Outside Diameter: 2.7" (6.86 cm)
- Inside Diameter: 1" (2.54 cm)

Ordering Information

CP

Pore Size		Nominal Length	
CODE	MICRON	CODE	INCHES MM
005 ¹	0.5	4	4 (10.16)
015	1.5	5	5 (12.7)
030	3.0	10	10 (25.4)
045	4.5	20	20 (50.8)
100	10	30	30 (76.2)
200	20	40	40 (101.6)
300	30		
400	40		
700	70		
900	90		

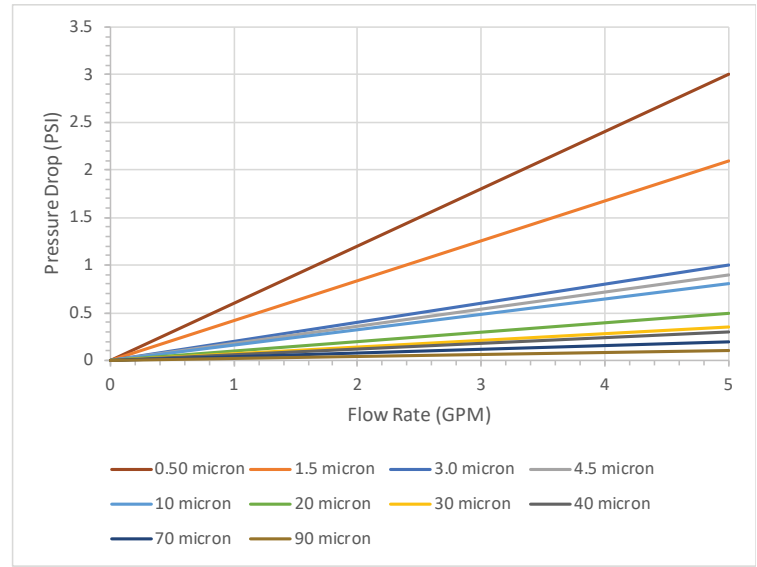
¹ Not available in 30 & 40 inch lengths

Core Material	
CODE	MATERIAL
A	Natural Polypropylene
F	Glass-filled polypropylene

Seal Material	
CODE	MATERIAL
E	EPR
N	Buna-N
S	Silicone
T	PFA Encapsulated Viton®
V	Viton®

End Cap Configuration	
CODE	DESCRIPTION
DO	Double open end (DOE)
DX	Double open end/extended core
TC	222 O-ring/Flat
TF	222 O-ring/Fin
TX	222 O-ring/Flex Fin
SC	226 O-ring/Flat
SF	226 O-ring/Fin
STC	222 O-ring/Flat cap w/SS insert
STF	222 O-ring/Fin cap w/SS insert
SSC	226 O-ring/Flat cap w/SS insert
SSF	226 O-ring/Fin cap w/SS insert

Flow rate vs. ΔP for a 1cks liquid @ 73°F (23°C)*



Flow rate is per 10" cartridge. For liquids other than water, multiply the pressure drop by the fluid viscosity in centipoise.

*Consult Division for gas flow data.

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