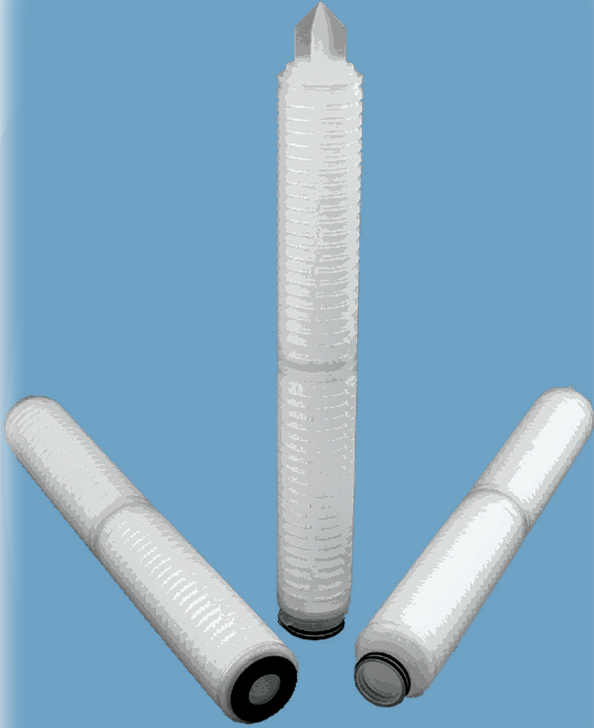


aspire[®] Poly-Clear

Polypropylene Pleated Depth Cartridges



Poly-Clear, all-Polypropylene, filter cartridges are designed to optimize throughput while achieving absolute and repeatable effluent quality. Our filter media is constructed on the latest continuous Micro-Fiber blowing equipment that accurately controls fiber diameter and integrity. Utilizing state-of-the-art on-line monitoring equipment, Clarcor Industrial Air delivers the industry's most uniform and consistent media, ensuring unparalleled product consistency. Our 100% Polypropylene construction provides an expansive chemical compatibility range for your most demanding applications. All materials of construction meet the requirements of USP Class VI and CFR 21 for food and beverage contact.

Benefits

- Absolute-rated media provides reliable, consistent and repeatable filtration.
- Low pressure drop yields higher flow rates and reduced processing time.
- 100% Polypropylene, FDA compliant with CFR 21 and USP Class VI.
- Maximum pleat design for greater surface area, ensuring longer service life, less downtime and reduced operating costs per cartridge.
- Thermally bonded construction minimizes extractables, eliminating particle bypass.

Applications

- Reagent Grade
- Chemicals General
- Water Filtration
- Recirculating Liquids
- Waste Water
- DI/RO Prefiltration

aspire® Poly-Clear

Polypropylene Pleated Depth Cartridges

Materials of Construction

Filter Media	Polypropylene
Support Material	Polypropylene
Hardware	Polypropylene
Cage Core	Polypropylene
Internal Support Ring	316 Stainless Steel
Sealing	Thermal Bond
Seals	EPR, Buna-N, Silicone, Viton®, Teflon®/Viton®

Performance Specifications

Retention Rating	0.6µm, 1.2µm, 2.5µm, 5.0µm, 10.0µm, 15.0µm, 20.0µm, 40.0µm, 70.0µm
Differential Pressure Forward	75 psid (5.1 bar) @ 68°F (20°C) 40 psid (2.8 bar) @ 150°F (65°C)
Maximum Operating Temperature	180°F (82°C) Continuous Duty

Toxicity	All components meet all USP XXII Class VI test for biological safety and FDA requirements for contact with food and beverage per 21CFR177.1520
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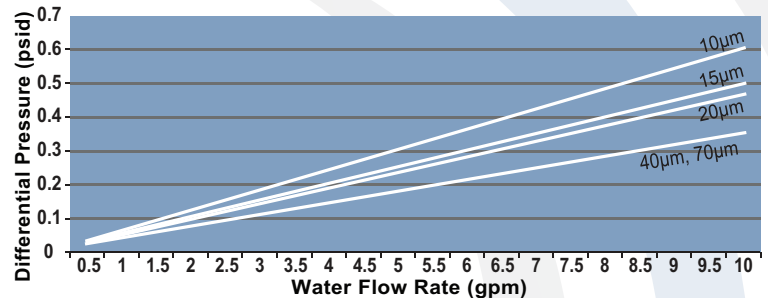
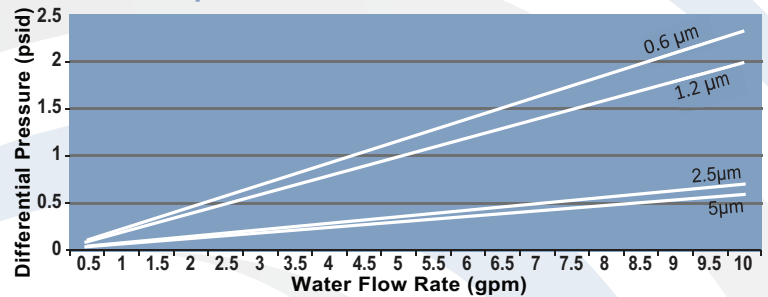
Dimensions (nominal)

Outside Diameter	2.7" (6.9cm)
Lengths	10" (25.4cm), 20" (50.8cm), 30" (76.2cm), 40" (102cm)

Cartridge Ordering Information

Media	Grade	Series	Nominal Length	Cartridge Style	Gasket or O-Ring Material	Utilization
P	050	S	20	3	03	N
P = Polypropylene	006 = 0.06µm 012 = 1.2µm 025 = 2.5µm 050 = 5.0µm 100 = 10.0µm 150 = 15.0µm 200 = 20.0µm 400 = 40.0µm 700 = 70.0µm	S = Standard	A = 10" B = 20" C = 30" D = 40"	1 = DOE, 9 3/4" 2 = DOE, 10" 3 = 222 O-Ring/Flat 7 = 226 O-Ring/Fin 7A = 222 O-Ring/Flat 8 = 222 O-Ring/Fin	01 = ERP 03 = Silicone 04 = Nitrile 08 = Viton® * 11 = PTFE Viton® *Non FDA	N = Non-Steam Sterilizable S = Steam Sterilizable Steam Ring in Contact with Fluid

Pressure Drop vs. Flow Rate



POLY-CLEAR 99.98% Efficiency

P006	0.6µm
P012	1.2µm
P025	2.5µm
P050	5.0µm
P100	10.0µm
P150	15.0µm
P200	20.0µm
P400	40.0µm
P700	70.0µm

Viton® is registered trademarks of E.I. duPont de Nemours and Company.

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CLARCOR

Industrial Air

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