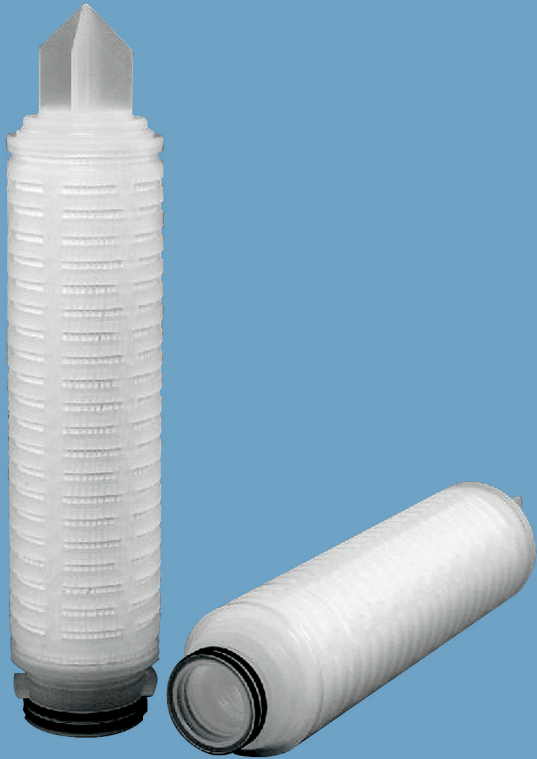


aspire[®] Poly-Clear D

High Solids Loading All-Polypropylene Pleated Depth Cartridges



Poly-Clear D is an absolute rated gradient density pleated polypropylene depth cartridge. It utilizes our revolutionary HSL (High Solids Loading) technology in combination with our high efficiency micro-fiber meltblown creating one of the longest lasting high efficiency pleated filters on the market.

The Poly-Clear D filters are manufactured without binders or resins, resulting in an extremely clean non-fiber shedding filter. Due to our utilization of the HSL technology this element is outstanding for removing gels, compared to traditional pleated polypropylene filters. All materials of construction comply with FDA Title 21 of The Code of Federal Regulations for food and beverage contact.

Benefits

- Absolute-rated media provides reliable, consistent and repeatable filtration results
- FDA Title 21 compliant for food and beverage contact
Lower pressure drops, which yield higher flow rates and reduced processing time
- 100% Polypropylene construction offers a wide range of chemical compatibility
- Maximum pleat design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs per cartridge
- Thermally bonded construction ensures a cleaner filtrate while minimizing extractables

Applications

- Bleach
- Solvent Filtration
- Liquefied Sugar
- Wine Clarification
- Water Filtration
- RO/DI Prefiltration
- Waste Water

For more information,
contact your aspire[®] representative at
CLARCOR Industrial Air
11501 Outlook Street, Suite 100, Overland Park, KS 66211
800-821-2222 816-356-8400 816-353-1873 fax
Email: aspire@clarcor.com

CLARCOR

Industrial Air

aspire® Poly-Clear

High Solids Loading All-Polypropylene Pleated Depth Cartridges

Materials of Construction

Filter Media	Polypropylene Microfiber Composite
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	1.0µm, 1.5µm, 3.0µm, 5.0µm, 10.0µm, 15.0µm, 20.0µm, 40.0µm, 70.0µm, 90.0µm
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.
----------	---

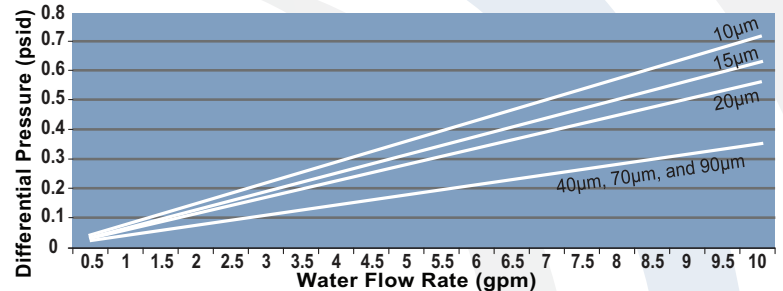
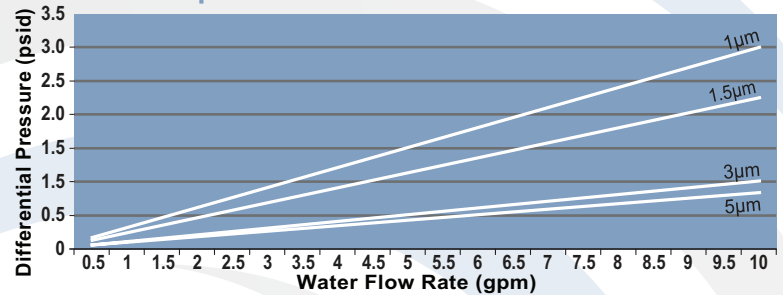
Dimensions (nominal)

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

Cartridge Ordering Information

Media	Grade	Series	Type	Nominal Length	Cartridge Style	Gasket or O-Ring Material	Utilization
P	050	S	D	20	3	03	N
P = Polypropylene	010 = 1.0µm 015 = 1.5µm 030 = 3.0µm 050 = 5.0µm 100 = 10.0µm 150 = 15.0µm 200 = 20.0µm 400 = 40.0µm 700 = 70.0µm 900 = 90.0µm	S = Standard	D = Depth	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 D 99.98% Efficiency

P010	1.0µm
P015	1.5µm
P030	3.0µm
P050	5.0µm
P100	10.0µm
P150	15.0µm
P200	20.0µm
P400	40.0µm
P700	70.0µm
P900	90.0µm

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

For more information, contact your aspire® representative at
CLARCOR Industrial Air
 11501 Outlook Street, Suite 100, Overland Park, KS 66211
 800-821-2222 816-356-8400 816-353-1873 fax
 Email: aspire@clarcor.com

CLARCOR

Industrial Air

©2017 BHA Altair, LLC. All rights reserved. aspire is a registered trademark of BHA Altair, LLC
 ASPIRE088 (2/20/17)