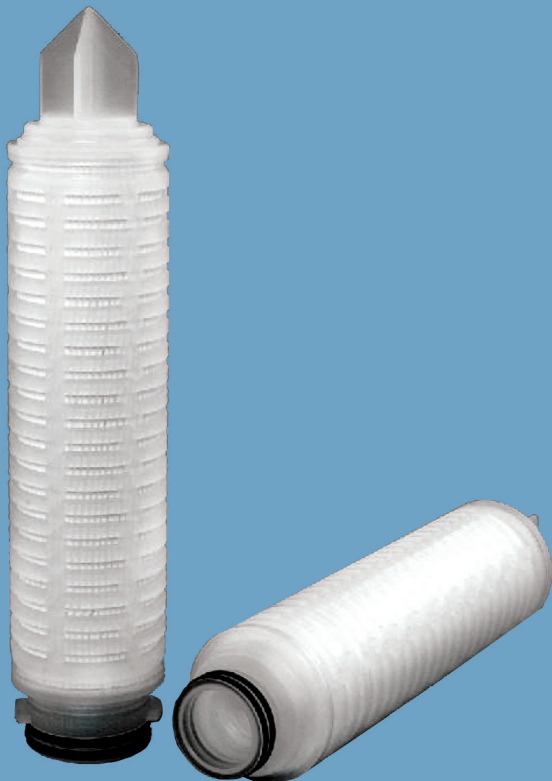


aspire[®] Accu-Clear DG Series

Micro-Fiber Glass Pleated Depth Cartridges



The Accu-Clear DG pleated filter cartridges utilize a high surface area and high void volume media, incorporating Micro-Glass fibers in a uniform matrix that optimizes element flow rate and service life unattainable by other traditional Micro-Fiber technologies. This revolutionary Micro-Fiber matrix optimizes pore size geometry required to offer beta rated filtration performance. Clarcor Industrial Air on-calendared Micro-Glass, Accu-Clear DG cartridges exhibit significantly reduced resistance to flow when compared to similarly rated Micro-Fiber technologies. Accu-Clear DG cartridges are an excellent choice for filtering beverages such as beer and wine, as they do not remove flavor enhancing proteins. Our FDA grade cartridges meet or exceed the requirements of the 21 CFR 177 for Food and Beverage contact. Clarcor Industrial Air also offers elements that utilize an epoxy binder providing the Accu-Clear DG with an increased range of applications where chemical compatibility is critical.

Benefits

- Beta rated media provide reliable pore size control resulting in repeatable filtration performance.
- Non-fiber releasing materials with minimal extractables provide high purity filtrate.
- Low pressure drops yield higher flow rates and reduced processing time.
- Maximum pleat design coupled with non-calendared Micro-Glass matrix offers greater surface area, ensuring longer service life, less downtime and reduced operating costs per cartridge.
- Industrial grade utilizes an epoxy binder, FDA grade utilizes an acrylic binder.
- Thermally bonded construction eliminates particle bypass.

Applications

- Inks and Coatings
- Plating Solutions
- Solvent Filtration
- Oil and Gas Production
- Photographic Films
- Chemical Processing
- Waste Water

For more information,
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CLARCOR

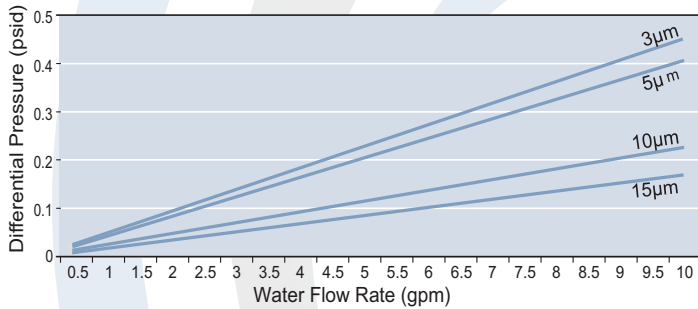
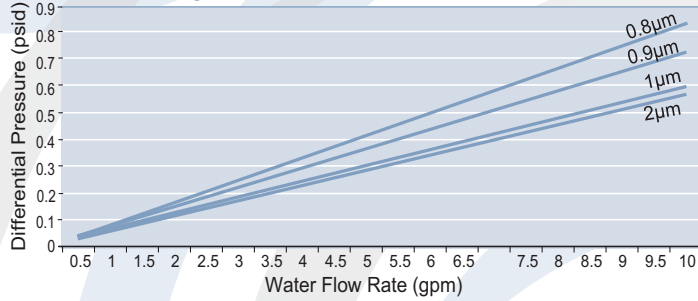
Industrial Air

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Pressure Drop vs. Flow Rate



Product Efficiency

Accu-Clear	Micron Rating
DG001	0.1µm
DG002	0.2µm
DG004	0.45µm
DG008	0.8µm
DG012	1.2µm
DG050	5.0µm
DG100	10.0µm
DG150	15.0µm

Materials of Construction

Filter Media	Borosilicate Microfiber Glass
Support Material	Polypropylene
Hardware	Polypropylene
Internal Support Ring	316 Stainless Steel
Cage/Core	Polypropylene
Sealing	Thermal Bond
Seals	Buna-N, Fluorocarbon, EPDM FEP Encapsulated Fluorocarbon, Silicone

Dimensions (nominal)

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

Performance Specifications

Rated Retention	0.1µm, 0.2µm, 0.45µm, 0.8µm, 1.2µm, 5.0µm, 10.0µm, 15.0µm
Differential Pressure	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 Polypropylene Hardware
Toxicity	All components meet all relevant USP XXII Class VI test for biological safety and FDA requirements for contact with food and beverage per 21CFR177.1520

Cartridge Ordering Information

Media Type	Grade	Series	Nominal Length (inches)	Cartridge Style	Gasket or O-Ring Material	Utilization
DG	050	S	20	3	03	N
DG = Continuous Fiber Pleat		S = Standard				
	001 = 0.1µm		A = 10	2 = DOE, 10"	01 = EPR	N = Non-Steam Sterilizable
	002 = 0.2µm		B = 20	3 = 222 O-Ring/ Flat	03 = Silicone	S = Steam Sterilizable
	004 = 0.45µm		C = 30	6 = DOE/Internal 120 Ring	04 = Nitrile*	Steam ring in contact with fluid
	008 = 0.8µm		D = 40	7 = 226 O-Ring/Fin	08 = Viton®*	
	012 = 1.2µm			7A = 222 O-Ring/Flat	09 = PTFE Gasket	
	050 = 5.0µm*			8 = 222 O-Ring/Fin	11 = PTFE/Viton®	
	100 = 10.0µm*					
	150 = 15.0µm*					

* Non FDA

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