

High Purity – FG

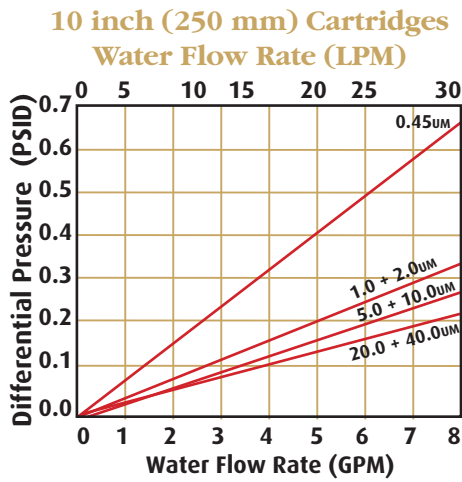
Pleated Microfiberglass Cartridge

PLEATED CARTRIDGES

Pleated Microfiberglass Cartridges offer an economical, absolute rated, filtration solution for both liquids and gases. They offer excellent flow rates and long service life with an exceptional ability to retain both deformable and non-deformable particles. High Purity — FG Cartridges are constructed with absolute rated borosilicate microfiberglass media that offers high dirt-loading capacities. The natural positive charge of the glass fiber also aids in the retention of negatively charged particulates such as bacteria, endotoxin, and a variety of colloidal materials.



FLOW RATE



TYPICAL APPLICATIONS

- Membrane Prefiltration
- Sterile Air
- Corn Syrup
- R.O. Prefiltration
- Wine Clarification
- Aromatic Hydrocarbons
- Oilfield Completion
- Fluids

CONSTRUCTION MATERIALS

Filtration Media – FDA Borosilicate Microfiberglass with acrylic binder.

Support Media – Spun-bonded polyester laminated on both upstream and downstream sides.

End Caps Polypropylene

Center Core Fiberglass

Outer Support Cage Polypropylene

O-rings/Gaskets Buna, Viton, EPDM, Silicone, Teflon® Encapsulated Viton

Note: Contact factory for information on high-temperature stainless construction options.

ORDERING INFORMATION

FG (Pore Size)	A	(Length)	C	(End Cap Code)	O-Rings/Gaskets	Adders
0.45		10 (25.4 cm)		B = DOE W/gasket – and caps	B = Buna	I = SS Insert
1.0		20 (50.8 cm)		C = 222 W/Spear	E = EPDM	
2.0		30 (76.2 cm)		D = 222 W/closed Flat Cap	S = Silicone	
5.0		40 (101.6 cm)		E = 222 W/Spring	V = Viton	
10.0				F = 226 W/closed Flat Cap	T = Teflon	
20.0				G = 226 W/Spear	Encapsulated	
40.0				H = 226 W/Spring	Viton	
				J = Polypropylene Extender		
				L = Spring		
				N = SOE Recessed Cap, internal 213 O-ring		

ABSOLUTE FILTRATION RATINGS

99.98% (Bx=5000) removal efficiencies.

SANITIZATION

Filtered Hot Water 90° C for 30 minutes at maximum of 15 PSID

DIMENSIONS

Length:

10 to 40 inches (25.4 to 101.6 cm) nominal

Outside Diameter:

2.70 inches (7.0 cm) nominal

MAXIMUM RECOMMENDED OPERATING CONDITIONS

Change Out ΔP-35PSI

Temperature 200° F (93° C)

Optional Stainless Construction 275° F (135° C)

PRODUCT PURITY

All components FDA acceptable per 21 CFR.



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FILTRATION & SEPARATION

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