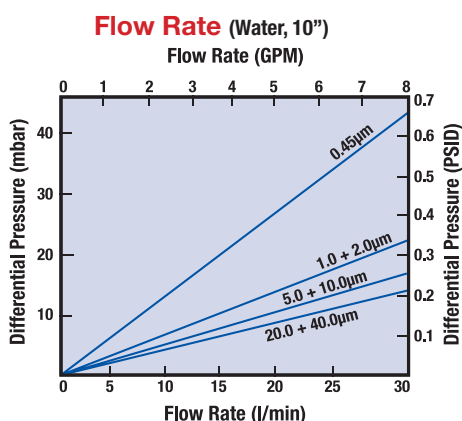




InterPleat G

Pleated Microfiberglass Cartridge

Pleated Microfiberglass Cartridges offer an economical, absolute rated, filtration solution for both liquids and gases, designed to hold 0.5 m² of filtration media. They offer excellent flow rates and long service life with an exceptional ability to retain both deformable and non-deformable particles. High Purity GFP-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.



Typical Applications

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

Absolute Filtration Ratings

99.98% ($\beta_x=5000$) removal efficiencies.

Ordering Information (universal ordering code, not all options are available)

GFP	Pore Size	Length	End Cap Code	O-Rings/Gaskets
	0.45 = 0.45 µm	1 = 10" (25.4 cm)	1 = DOE with Gaskets	1 = Silicone
	1 = 1.0 µm	2 = 20" (50.8 cm)	2 = SOE -222 O-rings with Flat Cap	2 = EPDM
	2 = 2.0 µm	3 = 30" (76.2 cm)	3 = SOE -222 O-rings with Fin	3 = Buna
	5 = 5.0 µm	4 = 40" (101.6 cm)	4 = SOE -222 O-rings with Spring	4 = Viton
	10 = 10.0 µm	Y = 5" (12.7 cm)	5 = SOE -226 O-rings with Spring	5 = Teflon® Encapsulated Viton
	20 = 20.0 µm		6 = SOE -226 O-rings with Flat Cap	
	40 = 40.0 µm		7 = SOE -226 O-rings with Fin	
			8 = SOE with Spring	
			9 = SOE with Core Extender	

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 Polypropylene
Outer Support Cage Polypropylene
O-rings/Gaskets Silicone, EPDM, Buna, Viton, Teflon® Encapsulated Viton, Polyfoam

Sanitisation

Filtered Hot Water
 90°C for 30 minutes at maximum of 1 bar

Dimensions

Length:
 10 to 40 inches (25.4 to 101.6 cm) nominal
Outside Diameter:
 2.70 inches (7.0 cm) nominal
Filter Area: 0.5 m² per 10"

Maximum Recommended Operating Conditions

Change Out ΔP 2.4 bar
Temperature 93°C
Optional Stainless Construction 135°C

Product Purity

All components FDA acceptable per 21 CFR. All polypropylene components meet the specifications for biological safety per USP Class VI-121 C for plastics.

Note: Stainless insert option needed for all cartridges being hot water sanitized or steam sterilized