

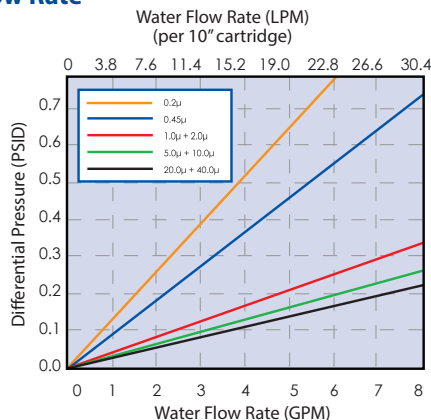
Filter Data Sheet

High Purity - FG

Pleated Microglass Cartridge

Pleated Microglass 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 microglass media that offers high dirt-loading capacities. The natural positive charge of the glass also aids in the retention of negatively charged particulates such as bacteria, endotoxins and a variety of colloidal materials. Efficiency ratings to 99.98% (Beta 5000).

Flow Rate



Typical Applications

Membrane	R.O. Pre-filtration
Pre-Filtration	Wine Clarification
Sterile Air	Aromatic
Corn Syrup	Hydrocarbons

Ordering Information

FG	Rating (µ)	A	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
	0.2		10" (25.4 cm)		2 = DOE Flat Gasket	B = Buna		I = Stainless Steel Insert
	0.45		20" (50.8 cm)		3 = 222 w/ Fin	E = EPDM		SS = Stainless Steel Core
	1.0		30" (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone		CS = 316ss Compression Spring
	2.0		40" (101.6 cm)		5 = 222 w/ Spring	V = Viton		
	5.0				6 = 226 w/ Flat Cap	T = Teflon® Encapsulated Viton		
	10.0				7 = 226 w/ Fin			
	20.0				8 = 226 w/ Spring			
	40.0				16 = 213 Internal O-Ring			

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification, or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates, and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.



Construction Materials

Filtration Media - FDA Borosilicate Microglass with acrylic binder.

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

End Caps..... Polypropylene

Center Core..... Glass-reinforced Polypropylene

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.

Sanitization/Sterilization

Filtered Hot Water..... 80°C for 30 min.

Steam Sterilization..... 121°C for 30 min., multiple cycles

Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents.

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

Dimensions

Length:

10 to 40 inches (25.4 to 101.6 cm) nominal

Outside Diameter:

2.75 inches (7.0 cm) nominal

Maximum Recommended Operating Conditions

Change Out..... ΔP 35 PSI

Temperature..... 200°F (93°C)

Note: Optional High Temperature Construction available.

FDA Listed Materials

Manufactured from materials which are listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Toxicity

All polypropylene components meet the specifications for biological safety per USP Class VI – 121°C for plastics.