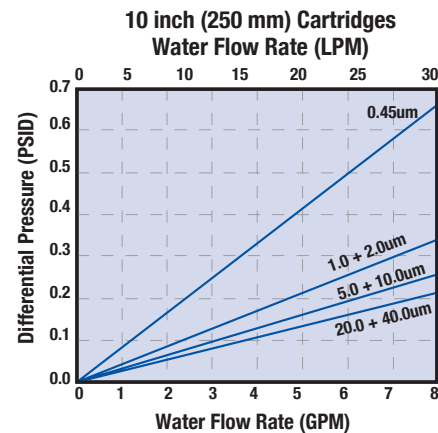
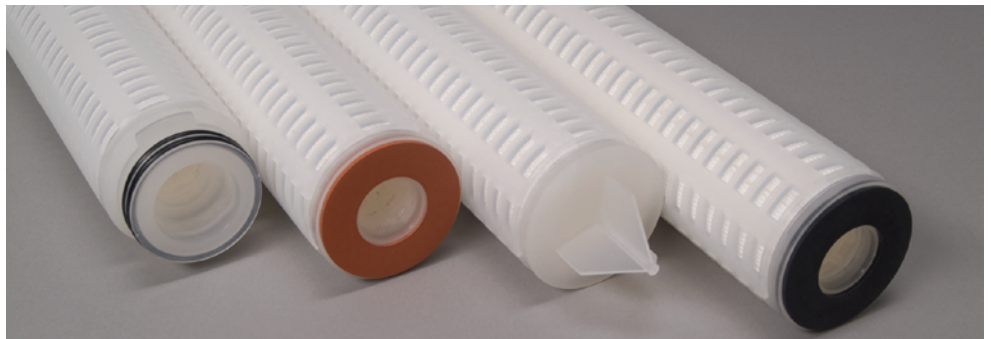


## Filter Data Sheet

### High Purity – FG

Pleated Microfiberglass Cartridge

**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. Efficiency ratings to 99.98% (Beta 5000).



### Typical Applications

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

### Ordering Information

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

### 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.

### Sanitization/Sterilization

**Filtered Hot Water** .....80°C for 30 Minutes  
**Steam Sterilization**.....121°C for 30 min, multiple cycles

**Chemicals:** Cartridges are chemically compatible with most chemicals and sanitizing agents  
**Note:** Stainless 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** ..... Δ P-35PSI  
**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.