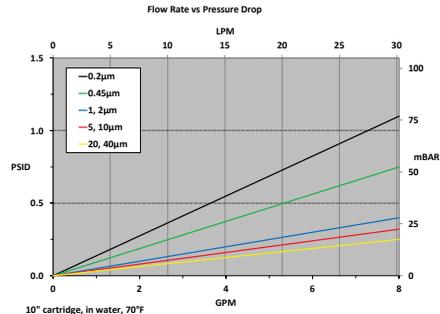


## FG-Series Pleated Microglass Media

FG-Series High Purity Pleated Borosilicate Microglass Filter Cartridges offer high-efficiency retention of particulate matter from liquid and gaseous fluid streams. Favored for its superior retention efficiency, low pressure drop, and greater contaminant loading capacity relative to alternative medias. Suitable for food and potable water contact, the FG-Series delivers to the high performance demands in food production and bottled water. Also has broad use with process water, lubricants, and a range of fine chemicals.

Manufactured in a clean-room environment to maintain high standards of purity and cleanliness. Offered in both absolute-rated (up to 99.98% retention) and nominally-rated (90% retention) grades in common adapter configurations.

### Flow Rate vs Pressure Drop



\*All data is based on absolute rated medias. Nominally rated medias will result in a pressure drop reduction of approximately 10%.

### Typical Applications

- Food & Beverage
- Deionized Water
- Process Water
- Fine Chemicals
- Wastewater
- Produced Water
- Wine Clarification
- Sweeteners

### Ordering Information

FG	Rating(µ)	Retention	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
	0.2	A = Absolute	5" (12.7 cm)		2 = DOE Flat Gasket <sup>1 2</sup>	B = Buna		CS = 316SS Compression Spring
	0.45	N= Nominal	10" (25.4 cm)		3 = 222 w/Fin	E = EPDM		I = Stainless Steel Insert
	1.0		20" (50.8 cm)		4 = 222 w/Flat Cap	S = Silicone		R = 18 Megaohm Rinse
	2.0		30" (76.2 cm)		5 = 222 w/Spring	T = Teflon® Encapsulated Viton® <sup>1</sup> *		SS = Stainless Steel Core
	5.0		40" (101.6 cm)		6 = 226 w/Flat Cap	V = Viton® *		
	10.0				7 = 226 w/Fin	Z = Teflon® Encapsulated Silicone <sup>2</sup> *		
	20.0				8 = 226 w/Spring			
	40.0				16 = 213 Internal O-Ring			
					28 = 222 3-Tabs w/ Fin			

1 - When ordering with DOE Flat Gasket, gasket style "T" = ePTFE (Expanded Teflon® - no encapsulation)

2 - When ordering with DOE Flat Gasket, gasket style "Z" is not available

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. For additional technical support, a product Performance Guide is available upon request. SV\_FG\_082124



### Construction Materials

- Filtration Media** .....Borosilicate microglass with acrylic binder
- Support Media** .....Spun-bonded Polyester
- End Caps**.....Polypropylene
- Center Core** .....Glass-Reinforced Polypropylene
- Outer Support Cages** .....Polypropylene
- O-Rings/Gaskets** .....Buna, EPDM, Silicone  
Teflon® Encapsulated Viton®<sup>1</sup>, Viton®,  
Teflon® Encapsulated Silicone<sup>2</sup>

### Dimension (Nominal)

- Length** .....5 to 40 in (12.7 to 101.6 cm)
- Outside Diameter** .....2.70 in (7.0 cm)

### Operating Conditions

- Change Out ΔP (recommended)** ..... 35 PSID (2.4 bar)
- Temperature (max)** ..... 176°F (80°C)
- Differential Pressure (max)** ..... 60 PSID at 68°F (4.1 bar at 20°C)

### Sanitization/Sterilization

- Filtered Hot Water** ..... 176°F (80°C) for 30 min
- Steam Sterilization** .....250°F (121°C) for 30 min multiple cycles

**Chemicals:** Cartridges are compatible with most chemical sanitizing agents.

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

### Toxicity

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

### Food Safety Compliance

Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 1935/2004, and/or 10/2011.