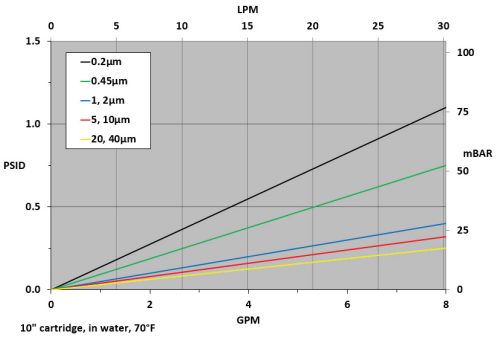
FG-Series Pleated Microglass Media

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

Construction Materials

Filtration Media.....Borosilicate microglass with acrylic binder.
Support Media.....Spun-bonded polyester
End Caps.....Polypropylene
Center Core.....Glass-reinforced Polypropylene
Outer Support Cage.....Polypropylene
O-Rings/Gaskets.....Buna, EPDM, Silicone, Teflon® Encapsulated Viton®, Viton®, Teflon®, Encapsulated Silicone

Sanitization/Sterilization

Filtered Hot Water.....80˚C for 30 min.
Steam Sterilization.....121˚C for 30 min., multiple cycles

Chemicals: Cartridges are compatible with most chemical sanitizing agents.
Note: Stainless steel end cap 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.

Dimensions

Length:
10 to 40 inches (25.4 to 101.6 cm) nominal
Outside Diameter:
2.70 inches (7.0 cm) nominal

Operating Conditions

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

Note: Optional high temperature construction available featuring stainless steel core (235˚F).

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.

Ordering Information

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

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