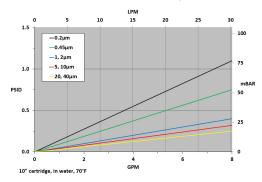
FG-Series Pleated Microglass Media

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
- Wastewater
- Deionized Water
- Produced Water
- Process Water
- Wine Clarification
- Fine Chemicals
- 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 Sililcone

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:

2.75 inches (7.0 cm) nominal

Operating Conditions

Change Out ΔP (recommended	d)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 2002/72/EC, 1935/2004, and/or 10/2011.

Ordering Information

FG	Rating (µ)	Retention	Length	С	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 Megaohn 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/FIN			

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.

DS FG 190701



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