

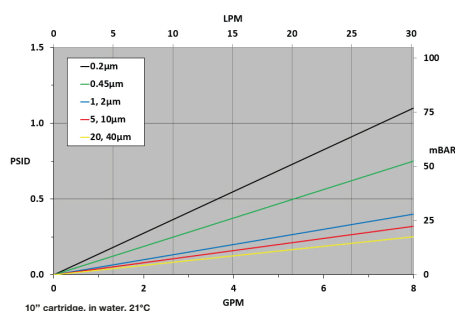
FG-Series Pleated Microglass Media

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	-	Options
	0,2	A = Absolute	10"		2 = DOE Flat Gasket	B = Buna		I = Stainless Steel Insert
	0,45	N = Nominal	20"		3 = 222 w/ Fin	E = EPDM		SS = Stainless Steel Core
	1,0		30"		4 = 222 w/ Flat Cap	S = Silicone		
	2,0		40"		5 = 222 w/ Spring	V = FKM		
	5,0				6 = 226 w/ Flat Cap	Z = FEP Silicone		
	10,0				7 = 226 w/ Fin	T = FEP FKM (if O-ring and PTFE if DOE)		
	20,0				8 = 226 w/ Spring			
	40,0				16 = 213 Internal O-Ring ¹			
					28 = 222 3-tabs w/ Fin			

¹Silicone and EPDM only

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_D015A_EN

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, FKM, FEP Silicone, FEP FKM, PTFE (DOE)

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 insert option required for all cartridges being hot water sanitized or steam sterilized for 222 or 226 endcaps.

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:
7,0 cm nominal

Operating Conditions

Change Out ΔP (recommended).....2,4 bar
Temperature (max).....80°C
Differential Pressure (max).....4,1 bar at 20°C

Note: Optional high temperature construction available featuring stainless steel core (113°C).

FDA Listed Materials

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.