GLOBAL FILTER
Filtration Group®

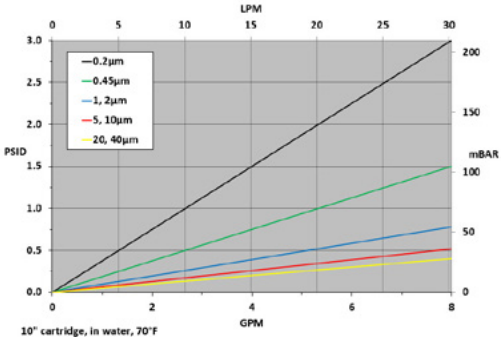
FGE-Series Economy Grade Pleated MicroGlass Media

FGE-Series High Purity Economy Grade 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. The FGE-Series is often the preferred choice when the application calls for a more economical option or where the 2.5" OD is required. Also, the polyester hardware construction allows extended temperature use (up to 200 F)

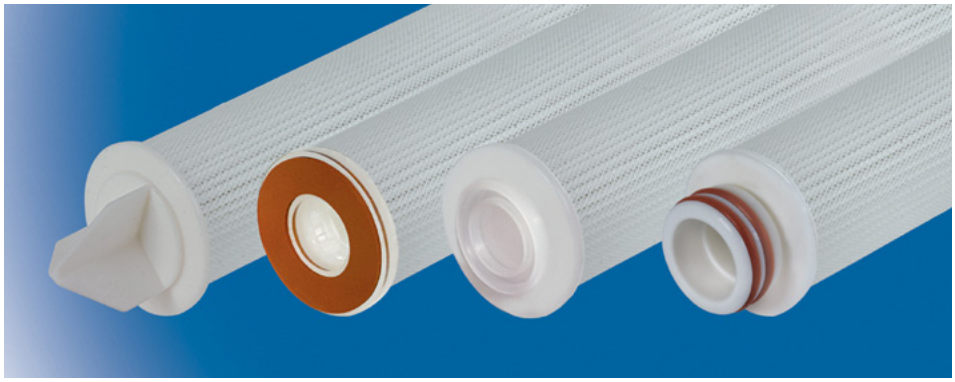
Suitable for food and potable water contact, the FGE-Series meets the high performance demands in food and beverage production. It also has a broad use with process water, lubricants, and a range of fine chemicals. Manufactured in a clean-room environment to maintain high standards of purity and cleanliness.

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
- R.O. Pre-Filtration
- Wastewater
- Produced Water
- Wine Clarification
- Sweetners

Construction Materials

Filtration Media.....Borosilicate Microglass with acrylic binder
Support Media.....Spun-bonded Polyester
End Caps.....Polyester
Center Core.....Glass-filled Polypropylene
Outer Support Netting.....Polyester
O-Rings/Gaskets.....Buna, EPDM, Silicone, Teflon® Encapsulated Viton®, Viton®

Dimensions

Length:
10 to 40 inches (25.4 to 101.6 cm) nominal
Outside Diameter:
2.50 inches (6.35 cm) nominal

Operating Conditions

Change Out ΔP (recommended) .....35 PSID
Temperature (max) ..... 200˚F (93˚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

FGE	Rating (µ)	Retention	Length	N	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		SS = Stainless Steel Core
	2.0		40" (101.6 cm)		5 = 222 w/ Spring	T = Teflon® Encapsulated Viton®		
	5.0					V = Viton®		
	10.0							
	20.0							
	40.0							