

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 93°C).

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 cleanroom 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.



Construction Materials

Filtration Media	Borosilicate Microglass with acrylic binder
Support Media	Spun-bonded Polyester
End Caps/Netting	Polyester
Center Core	Glass-reinforced Polypropylene
End Caps/Cage	Polypropylene
O-Rings/Gaskets	Buna, EPDM, Silicone, FEP Silicone, FEP FKM, FKM

Typical Applications

- Food & Beverage
- Deionized Water
- Process Water
- Fine Chemicals
- R.O. Pre-Filtration
- Wastewater
- Produced Water
- Wine Clarification
- Sweeteners

Note : Optional high temperature construction available featuring stainless steel core coupled with polyester filter connections (112°C).

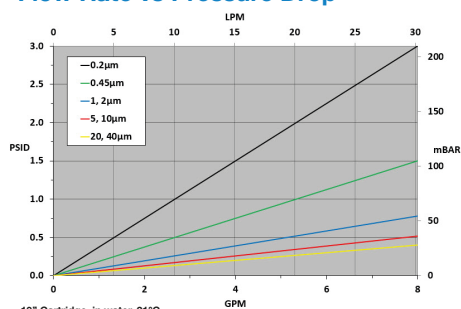
Dimensions

Length :	10 to 40 inches (25,4 to 101,6 cm) nominal
Outside Diameter :	6,35 cm nominal

Operating Conditions

Change Out ΔP (recommended)	2,4 bar
Temperature (max)	93°C 80°C with a polypropylene cage
Differential Pressure (max)	4,1 bar at 20°C

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%.

Ordering Information

FGE	Rating(μ)	Retention	Length	Cage / Netting	End Cap Style	O-Rings/Gaskets	-	Adders
	0,2	A = Absolute	10"	N = Netting	2 = DOE Flat Gasket ¹	B = Buna		I = Stainless Steel Insert
	0,45	N = Nominal	20"	C = Cage	3 = 222 w/Fin	E = EPDM		SS = Stainless Steel Core
	1,0		30"		4 = 222 w/Flat Cap	S = Silicone		PE = Polyester Core ²
	2,0		40"		5 = 222 w/Spring	T = FEP FKM		
	5,0					V = FKM		
	10,0					Z = FEP Silicone		
	20,0							
	40,0							

¹If code 2 (DOE) is applied, options T and Z are not available.

²The PE option does not comply with food contact requirements.

The D516 document is available upon request, including overall dimensions (OAL), dimensional tolerances, and shoulder-to-shoulder measurements for each end cap configuration.

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.

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