



OPTIGLASS

PLEATED GLASS FIBER FILTER

With EPOXY BINDER

Cartridges made with a glass fiber media with epoxy binding which provides a higher efficiency in colloid retention and more stability with high temperatures and chemicals when compared to normal glass fiber filter cartridges.

They are used in the removal of contaminants including colloids and particles in beverage applications.



FEATURES AND BENEFITS

- Glass fiber media with epoxy binder for more stability
- Optimal protection of all membranes with rating from 0.2 to 0.65 micron
- Low pressure drops, high flow rates and long service life
- Suitable for most sanitization processes including steaming, autoclaving, hot water flush and other common sanitization agents
- All materials used meet the requirements on materials used for articles intended to come into contact with food as described in FDA CFR Title 21 and European Regulation (EC) N° 1935/2004
- Typical applications:
 - ⇒ Food & beverage
 - ⇒ Pharmaceutical
 - ⇒ Fine chemicals
 - ⇒ Cosmetics
 - ⇒ Water treatment

TECHNICAL SPECIFICATIONS

CARTRIDGE DIMENSIONES

- Outer diameter: 68mm / 2.67"
- Length: 5" - 127mm 10" - 254mm 20" - 508mm 30" - 762mm 40" - 1016mm

MATERIALS OF CONSTRUCTION

- Filtration media: Pleated flat sheet fiberglass depth media with epoxy binder
- Support layer: Polypropylene
- Core/cage/End caps: Polypropylene
- End cap insert: SS304 / PBT (autoclave)
- O-ring: Silicone, EPDM, Viton

EFFECTIVE FILTRATION AREA (EFA)

- 0.4m² / 4.3ft² per Ø 68 - 10" / 254mm

OPERATING CONDITIONS	
Maximum Temperature	80°C
Maximum Differential Pressure	Forward flow: 3.5 bar at 20°C Reverse flow: 2.8 bar at 20°C
Recommended changeout differential pressure	2.4 bar
Steaming Sterilize (Autoclave)	121°C / 30 min



ORDERING INFORMATION

	P	GE		-				
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GRADE			LENGTH	TYPE	END CAP (inf)	END CAP (sup)	GASKETS	END CAP INSERT
P - Pharmaceutical			5 - 5"/127mm	OOS - Single layer	A - DOE no Gaskets	A - DOE no Gaskets	S - Silicone	(Blank) - No insert
F - Food & Beverage			10 - 10"/254mm	OOD - Double layer	B - DOE with Gaskets	B - DOE with Gaskets	E - EPDM	P - PBT
		20 - 20"/508mm	C - 226		F - Flat	V - Viton	S - St. St.	
		30 - 30"/762mm	D - 222		S - Spear			
		40 - 40"/1016mm	E - 222 Sartorius (3 tabs)					
					J - Junior 214			
					K - Junior 216			