

OPTIGLASS

PLEATED GLASS FIBER FILTER

For Gas & Air

PGA Filter cartridge are made of super-fine glass microfiber which have over 90% dirt holding capacity.

They are highly recommended for the pre-filtration of foul gas as an effective protection for final sterile-grade filters to increase their service life.



FEATURES AND BENEFITS

- High porosity and flow rates
- High absorption and retention efficiency
- Low pressure drops
- Micron rating range from 0.5 to 40µm
- Excellent chemical compatibility
- Manufactured under a quality management system certified to ISO 9001:2000
- All materials are designed to meet the FDA Title 21 CFR requirements, for food contact products and for non-fiber releasing filters.
- All components materials meets the requirement for food contact detailed in European Regulation (EC) N°1935/2004 and (EU) N° 10/2011
- Typical applications: Antibiotic fermented air, compressed air, bio-engineered fermented air.

TECHNICAL SPECIFICATIONS

CARTRIDGE DIMENSIONES

- Outer diameter: 69 mm
- Length: 5" - 127 mm 10" - 254 mm 20" - 508 mm
30" - 762 mm 40" - 1016 mm

MATERIALS OF CONSTRUCTION

- Filtration media: Super-fine glass microfiber
- Media support: Polypropylene
- Core/cage/End caps: Polypropylene
- End cap insert : PBT
- Standard O' ring/gaskets: Silicone, EPDM, Viton, PFA/Viton

EFFECTIVE FILTRATION AREA (EFA)

- 0.35m²

MAXIMUM OPERATING PARAMETERS	
Differential Pressure	Forward: 6.9 bar (100 psi) at 25°C
	2.4 bar (35 psi) at 80°C
	Reverse: 3.0 bar (44 psi) at 25°C
	1.0 bar (15 psi) at 80°C
Operating Temperature	6.9 bar (100 psi) at 25°C
	2.4 bar (35 psi) at 80°C
SANITIZATION / STERILIZATION	
Filtered Hot Water	90°C / 194°F, 30 minutes, multiple cycles, max 3 psi forward flow
Autoclave	121°C / 250°F, 30 minutes, multiple cycles
In-line Steam	135°C / 275°F, 30 minutes, multiple cycles
Chemical Sanitization	Performed using industry standard concentrations of hydrogen peroxide, paracetic acid, sodium hypochlorite, and other selected chemicals

ORDERING INFORMATION

GRADE	LENGTH	MICRON (*)	END CAP (inf)	END CAP (sup)	GASKETS	END CAP INSERT
F - Food & Beverage	05 - 5"/127mm	0.01 - 0.01um	B - DOE with Gaskets	B - DOE with Gaskets	S - Silicone	(Blank) - No insert
P - Pharmaceutical	10 - 10"/254mm	030 - 0.3um	C - 226	F - Flat	E - EPDM	PBT
	20 - 20"/508mm	050 - 0.5um	D - 222	S - Spear	V - Viton	
	30 - 30"/762mm		E - 222 Sartorius (3 tabs)		P - PFA/Viton	
	40 - 40"/1016mm		J - Junior 214			
			K - Junior 216			

DISTRIBUIDO POR:



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