

OPTIGLASS

PLEATED GLASS FIBER FILTER

For Liquids

The pleated glass fiber cartridges are composed of super-fine glass microfiber media and polypropylene layers.

These have been designed as effective membrane pre-filters and as final polishing filters for all liquid processing applications due to the excellent dirt holding capacity that they offer.

These filters are ideally suited in the filtration of liquids containing gels, lipids, and proteins.

This cartridge is designed to give maximum throughput because of gradient density construction. This allows for cartridge cleaning and re-used in some applications.



FEATURES AND BENEFITS

- Each cartridge is tested for integrity and is 99% efficient at the rated pore size
- Extremely high dirt holding capacity and longer service life
- High flow rates with 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: Blood products, high viscosity, serums.

TECHNICAL SPECIFICATIONS

CARTRIDGE DIMENSIONES

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

MATERIALS OF CONSTRUCTION

- Filtration media: Pleated fiberglass depth media
- 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)

- 0.26-0.29 m²

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
G - General	05 - 5"/127mm	0.10-0.1µm	B - DOE with Gaskets	B - DOE with Gaskets	S - Silicone	(Blank) - No insert
F - Food & Beverage	10 - 10"/254mm	0.20 - 0.2µm	C - 226	F - Flat	E - EPDM	PBT
P - Pharmaceutical	20 - 20"/508mm	0.25- 0.25µm	D - 222	S - Spear	V - Viton	
	30 - 30"/762mm	0.45 - 0.45µm	E - 222 Sartorius (3 tabs)		P -PFA/Viton	
	40 - 40"/1016mm	0.8 - 0.8µm	J - Junior 214			
		001 - 1µm	K - Junior 216			
		003 - 3µm				

DISTRIBUIDO POR:



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* Other micron available

