

GlassFlow® Filter Cartridges

Glass Fiber · Pre-filter for Liquids

GlassFlow® Filter Cartridges are composed of super-fine glass microfiber media and polypropylene layers. This combination provides the filter with an inherently absorptive characteristic that enhances filter retention capability. Characteristics include high dirt holding capacity and excellent particle removal resulting in additional protection for sterilizing-grade filters. These filters are ideally suited in the filtration of liquids containing gels, lipids, and proteins.

Features and Benefits

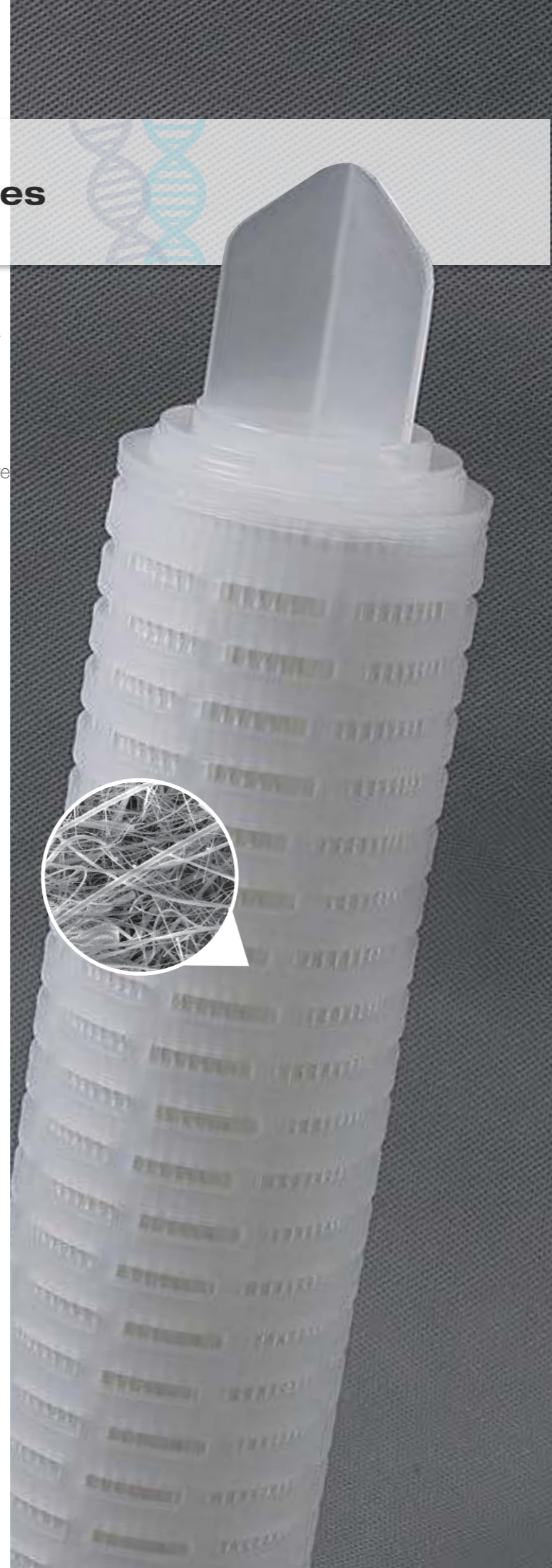
- High dirt holding capacity and longer service life
- High flow rates with low pressure drops
- Glass Fiber media ensures high flow rates and excellent filtration efficiency

Quality Standards

- Manufactured in a facility which adheres to ISO 9001:2015 Practices .
- Full Regulatory Compliance with following :
 - Bacterial Endotoxin :Aqueous extraction of autoclaved filter contains <0.25 EU/ml as determined by Limulus Amebocyte Lysate (LAL),USP<85>.
 - Non-fiber Releasing :Component materials meet the criteria for a " Non-fiber-releasing filter " as defined in 21 CFR 210.3(b)(6).
 - Component Material Toxicity :Meet the requirement of USP <87> In Vitro Cytotoxicity Test ; Meet the Criteria of USP<88> Biological Reactivity Test for Class VI-121 C plastics
 - TOC/Conductivity at 25 °C : Autoclaved filter effluent meet the USP<643> for Total Organic Carbon and USP<645> for Water Conductivity per WFI requirements after a UPW flush of specified volume .
 - Particle Shedding : Autoclaved filter effluent meet the USP<788>for large volume Injections .
 - Indirect Food Additive: All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177-182 ,and EU framework regulation [1935/2004/EC].

Typical Applications

- Blood Products
- High Viscosity Liquids
- Serums



Materials of Construction

Filter Media	GlassMicrofiber
Support	Polypropylene
Core/Cage/End Caps	Polypropylene

Operating Conditions

Max. Operating Pressure	6.9 bar (100 psi) at 25 °C 4.0 bar (58 psi) at 60 °C 2.4 bar (35 psi) at 80 °C
Max. Differential Pressure	Forward 6.9 bar (100 psi) at 25 °C 4.0 bar (58 psi) at 60 °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
Effective Filtration Area	0.26-0.29m ² / Ø 69-10 inch

Sterilization

Inline Steam Sterilization	up to 30 cycles (135°C for 30min< 0.3 bar per cycle)
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Ordering Information

LGFP	Removal Ratings	End Cap	Nominal Length	Seal Material	-P
	0010=0.1µm	HSF=226 /Fin (PBT Insert)	05=5"	S=Silicone	
	0020=0.2µm	HSC=226 /Flat (PBT Insert)	10=10"	E=EPDM	
	0025=0.25µm	HTF=222 /Fin (PBT Insert)	20=20"	V=Viton	
	0045=0.45µm	HTC=222 /Flat (PBT Insert)	30=30"	P=PFA/Viton	
	0080=0.8µm	DOE=Double Open End	40=40"		
	0100=1.0µm				
	0300=3.0µm				
	0500=5.0µm				
	5030=5.0+3.0µm				

Flow Rate Characteristics

