

GFC Filter Cartridges

Glass Fiber & Carbon · Endotoxin Removal

GFC Filter Cartridges are composed of carbon and glass microfiber . This specially designed filter allows the positive-charged Zeta particles to form in the aqueous liquid providing enhanced retention efficiency .The negative-charged particles and endotoxins are absorbed including particles smaller than the filter removal rating.

Features and Benefits

- Enhanced retention efficiency
- High dirt holding capacity and inherently absorptive qualities ensure retention of large particles
- Excellent chemical compatibility

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
- Cultures
- Gel-containing Liquids
- Serums



Materials of Construction

Filter Media	Carbon + Glass Microfiber
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	0.39m ² / Φ 69-10 inch

Ordering Information

GFC	Removal Ratings	End Cap	Nominal Length	Seal Material	-P
	0030=0.3µm	HSF=226 /Fin (PBT Insert) HSC=226 /Flat (PBT Insert) HTF=222 /Fin (PBT Insert) HTC=222 /Flat (PBT Insert) DOE=Double Open End	05= 5" 10=10" 20=20" 30=30" 40=40"	S=Silicone E=EPDM V=Viton P=PFA/Viton	

Sterile Filtration

Bio-burden Reduction

Pre-Filtration

All-Fluorine Filters

Capsule Filters