GlassGas® Filter Cartridges

Glass Fiber · Pre-filter for Gas

GlassGas® Filter Cartridges are composed of super-fine glass microfiber with a dirt holding capacity over 90%. They are highly recommended for the pre-filtration of foul gases as an effective protection for the final sterilizing-grade filters to increase their service life.

Features and Benefits

- High porosity and flow rates
- High absorption and retention efficiency
- Low pressure drops

Quality Standards

- Manufactured in a facility which adheres to ISO 9001:2015 Practices .
- Full Regulatory Compliance with following :
  - •Bacterial Endotoxin :Aqueous extraction of autocalved filter contains <0.25 EU/ml as determined by Limulus Amebcyte 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℃ plastics
  - •TOC/Conductivity at 25 ℃: 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

- Antibiotic Fermented Air
- Compressed Air
- Bio-engineered Fermented Air

Materials of Construction

Filter Media	Supre-fine Glass Microfiber
Support	Polypropylene
Core/Cage/End Caps	Polypropylene

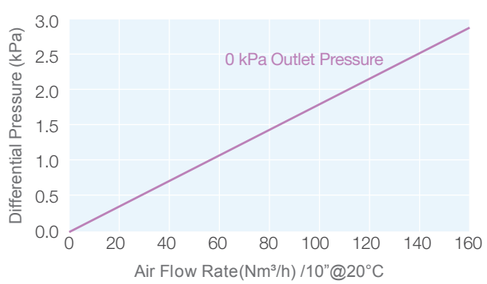
Operating Conditions

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	0.35 m² / Φ 69-10inch

Sterilization

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

Flow Rate Characteristics



Ordering Information

GGFP	Removal Ratings	End Cap	Nominal Length	Seal Material	-P
	0001=0.01 μm	**HSF**=226 /Fin (PBT Insert)	**05**=5"	**S**=Silicone	
	0030=0.3 μm	**HSC**=226 /Flat (PBT Insert)	**10**=10"	**E**=EPDM	
	0050=0.5 μm	**HTF**=222 /Fin (PBT Insert)	**20**=20"	**V**=Viton	
		HTC=222 /Flat (PBT Insert)	**30**=30"	**P**=PFA/Viton	
		DOE=Double Open End	**40**=40"		