

PREFILTRATION AND BIOBURDEN REDUCTION SERIES



FG Strong Chemical Resistance Capsule Filter

Description

FG series capsule filter is made of high porosity hydrophobic PTFE membrane, which has a wide range of chemical tolerance and can provide stable and reliable filtration performance of sterilization and particle removal. Its removal ratings of typical bacteria in the industry have been verified by batches, which can effectively reduce the level of microbial load in liquid filtrate and gas, and is especially suitable for the filtration of various low surface tension chemicals and gases.

FG series capsule filter is available in a wide range of cages and connections, and at the same time have good heat tolerance, can with stand hot water disinfection and steam sterilization for a long time.



Features

- High porosity PTFE membrane
- Pre-filtration of gas sterilization
- Broad chemical tolerance
- High particle retention efficiency
- Various cages and connections are available

Applications

- Sterilization of bio-fermentation gas
- Filtration of aseptic packaging gas
- Sterilization of food fermentation gas
- Sterilization filtration of respirator
- Filtration of chemical solvents

Technical Parameters

Materials of Construction	Filter Membrane	PTFE	
	Support/Drainage	PP	
	Core/Cage/End Cap	PP	
	Capsule Shell	PP	
Filtration Area	C30 / C80 / C150 / C300	300cm ² / 500cm ² / 1000cm ² / 2100cm ²	
	C605 / C610 / C620 / C630	3700cm ² / 7400cm ² / 14800cm ² / 22200cm ²	
Filter Dimensions	Length of Inner Filter Cartridge	C30 / C80 / C150 / C300 C605 / C610 / C620 / C630	1.5" / 1.5" / 2.5" / 5" 5" / 10" / 20" / 30"
	Diameter of Inner Filter Cartridge	C30* / C80 / C150 / C300 C605 / C610 / C620 / C630	42mm* / 56mm 68mm
	Diameter of the Shell	C30* / C80 / C150 / C300 C605 / C610 / C620 / C630	60±2mm* / 72±2mm 108±2mm
Sterilization	Autoclave	124°C, 30min, 5cycles 134°C, 20min, 5cycles	
Biological Safety	Bio-compatibility	Meet USP <87> in vitro Cytotoxicity Test Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics	
	Endotoxins	<0.25EU/ml	

Ordering Information

	Capsule Filter Size	Inlet/Outlet	Material	Removal Ratings	Sterilization
	C80	N2	PTFEG	010	
FilterPod FG Series	C30* C80 C150 C300	N2*=1/4" NPT N3=3/8" NPT N4=1/2" NPT NF2=1/4" FNPT NF3=3/8" FNPT NF4=1/2" FNPT NH2*=1/4" NPT to 1/4" Hosebarb H2M=1/4" Multiple Hosebarb H3M=3/8" Multiple Hosebarb H3=3/8" Hosebarb H4=1/2" Hosebarb HC=1/4"-3/8" Stepped Hosebarb HS=1/4"-1/2" Stepped Hosebarb TCA=1" Tri-clamp (50.5mm) TCB=1/2" Tri-clamp (25.4mm)	PTFEG= Polytetrafluoroethylene	010=0.10µm 020=0.20µm 045=0.45µm 100=1.0µm 500=5.0µm H10=10.0µm	Blank=Non-sterile (Autoclavable) -O=Sterile (Ethylene Oxide)*
MedCap FG Series	C605 C610 C620 C630	TCA=1 1/2" Tri-clamp (50.5mm)			

*EO sterilization will incur the cost of residual validation



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