PREFILTRATION AND BIOBURDEN REDUCTION SERIES

SP High Flow-rate and Long Service Life Capsule Filter

Description

SP series capsule filter is made of asymmetric PES membrane, which 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 microbial load level of the filtrate, and is especially suitable for the filtration of biomedical liquid where the microbial limit needs to be controlled at a low level.

SP series capsule filter is available in a wide range of cages and connections to meet the needs of different applications, widely used in bio-pharmacy and food and beverage.



Features

- Asymmetric PES membrane
- Very low protein non-specific binding
- Hot melt welding, without any adhesive
- Various cages and connections are available

Applications

- Filtration of water for injection, cleaning solution, purified water, deionized water
- Filtration of LVP, APIs, buffers, eye drops, disinfectants, etc.
- Filtration of vaccines, serums, biological products, antibiotic water-based liquid, etc.

Technical Parameters

Materials of Construction	Filter Membrane	PES	
	Support/Drainage	PP	
	Core/Cage/End Cap	PP	
	Capsule Shell	PP	
Filtration Area	C30 / C80/ C150 / C300 C605 / C610 / C620 / C630	250cm²/ 500cm²/ 1000cm²/2100cm² 3200cm²/6500cm²/13000cm²/19500cm²	
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	
	Gamma Irradiation	25 kGy(Recommanded)	
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	PES	010	
FilterPod SP 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)	PES= Polyether -sulphone	010=0.10μm 020=0.20μm 045=0.45μm 065=0.65μm 080=0.80μm 100=1.0μm 300=3.0μm 500=5.0μm H10=10.0μm	Blank=Non-sterile (Autoclavable) -T=Non-sterile (γ-irradiated, Gamma irradiation maximum dosage: Up to 25 kGy ） -G=Sterile (γ-irradiated, Gamma-compatible to 25 kGy ） -O=Sterile (Ethylene Oxide)*
MedCap SP Series	C605 C610 C620 C630	TCA =1 1/2" Tri-clamp(50.5mm)			

*C30 is only applicable to N2 and NH2, where NH2 is only applicable to C30
**EO sterilization will incur the cost of residual validation

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