CLARIFICATION FILTRATION SERIES

PPA High Flow-rate Capsule Filter

Description

PPA series PP pleated capsule filter is made of poly-propylene microfiber. It has a gradient pore size and a high strength support, which makes the filter has the characteristics of high retention efficiency and high flow rates, and is especially suitable for clarification filtration of liquid and pre-filtration of gas.

PPA series capsule filter is available in a wide range of removal ratings and in a wide range of cages and connections to meet the needs of different applications.



Features

- Excellent chemical compatibility
- High particle retention efficiency
- Longer service life and lower cost
- Various cages and connections are available

Applications

- Clarification filtration of cell culture medium
- Clarification filtration of fermentation broth/cell culture medium
- Pre-filtration of serums/blood products
- Pre-filtration of gas sterilization
- Filtration of colloidal products

Technical Parameters

Materials of Construction	Filter Membrane	PP	
	Support/Drainage	PP	
	Core/Cage/End Cap	PP	
	Capsule Shell	PP	
Filtration Area	C80 / C150 / C300 C605 / C610 / C620 / C630	500cm²/ 1000cm²/2100cm² 2500cm²/5300cm²/10600cm²/15900cm²	
Filter Dimensions	Length of Inner Filter Cartridge	C80 / C150 / C300 C605 / C610 / C620/ C630	1.5"/ 2.5"/ 5" 5"/ 10"/ 20"/ 30"
	Diameter of Inner Filter Cartridge	C80 / C150 / C300 C605 / C610 / C620 / C630	56mm 68mm
	Diameter of the Shell	C80 / C150 / C300 C605 / C610 / C620 / C630	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	PPA	020	
FilterPod PPA Series	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 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)	PPA= Polypropylene	020=0.20µm 030=0.30µm 045=0.45µm 050=0.50µm 065=0.65µm 100=1.0µm 300=3.0µm 500=5.0µm H10=10.0µm H20=20.0µm H30=30.0µm H50=50.0µm H70=70µm	Blank=Non-sterile (Autoclavable) -O=Sterile (Ethylene Oxide)*
MedCap PPA 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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