

CLARIFICATION FILTRATION SERIES

PPA High Flow-rate Capsule Filter

DESCRIPTION

PPA series PP pleated capsule filter is made of polypropylene 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	
Removal Ratings	0.20μm、0.30μm、0.45μm、0.65μm、1.0μm、3.0μm、5.0μm、10.0μm、20.0μm、30.0μm、50.0μm、70.0μm		
Filtration Area	C80/ C150 / C300 C605/C610 / C620/C630	500cm²/ 1000cm²/2100cm² 3000cm²/6000cm²/12000cm²/18000cm²	
Filter Dimensions	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
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

	C80	N2	PPA	010		
	Capsule Filter Size	Inlet/Outlet	Material	Removal Ratings	Sterilization	
FilterPod PPA Series	C80	N2 1/4" NPT	PPA Polypropylene	020 0.20μm	Blank G	Non-sterile γ-irradiatable
	C150	N3 3/8" NPT		030 0.30μm		
	C300	N4 1/2" NPT		045 0.45μm		
		NF2 1/4" FNPT		050 0.50μm		
		NF3 3/8" FNPT		065 0.65μm		
		NF4 1/2" FNPT		100 1.0μm		
		H2M 1/4" Multiple Hosebarb		300 3.0μm		
		H3M 3/8" Multiple Hosebarb		500 5.0μm		
		H3 3/8" Hosebarb		H10 10.0μm		
		H4 1/2" Hosebarb		H20 20.0μm		
		HC 1/4"-3/8" Stepped Hosebarb		H30 30.0μm		
		TCA 1 1/2" Tri-clamp&1" Tri-clamp (50.5mm)		H50 50.0μm		
		TCB 1/2" Tri-clamp&3/4" Tri-clamp (25.4mm)		H70 70μm		
		TCA 1 1/2" Tri-clamp				
MedCap PPA Series	C605					
	C610					
	C620					
	C630					

This ordering information is a guide for selecting filter element specifications. For other special connections or installation details, please contact MS.