EFFICIENT STERILE REMOVAL SERIES

PVL Sterile-Grade Capsule Filter with Low Precipitation and Low Protein Binding

DESCRIPTION

PVL series is a pharmaceutical-grade capsule filter made from hydrophilic PVDF membrane and polypropylene components. The extremely low protein binding property of PVDF makes it particularly suitable for filtration of culture solution, biological reagent, sterile vaccine, etc. At the same time, it has low extractability and broad chemical compatibility. It has passed the batch verification of typical bacterial removal grade in the industry, and its sterilization ability LRV＞7.



PVL series capsule filter is available in a wide range of cages and connections, and can provide double-layer PVDF filter membrane. The double-layer filter membrane can provide a longer service life with reliable sterilization ability of the filter cartridge through special design.

FEATURES

- ☆ Strong chemical compatibility
- ☆ Ultra-low protein binding
- ☆ Low precipitation
- ☆ Proven sterile-grade filter element
- ☆ Various cages and connections are available

APPLICATIONS

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

TECHNICAL PARAMETERS

Materials of Construction	Filter Membrane	Hydrophilic PVDF
	Support/Drainage	PP
	Core/Cage/End Cap	PP
	Capsule Shell	PP
Removal Ratings	0.20μm、0.45μm、0.65μm、1μm、0.20+0.45μm、0.20+0.65μm、0.45+0.65μm	
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 56mm C605/C610 / C620/C630 68mm
	Diameter of the Shell	C80/ C150 / C300 72±2mm C605/C610 / C620/C630 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		PVDFL	010	
	Capsule Filter Size	Inlet/Outlet		Material	Removal Ratings	Sterilization
FilterPod PVL Series	C80	N2	1/4″ NPT	PVDFL Polyvinylidene Fluoride	020 0.20μm	Blank Non-sterile
	C150	N3	3/8″ NPT		045 0.45μm	G γ -irradiatable
	C300	N4	1/2″ NPT		065 0.65μm	
		NF2	1/4″ FNPT		100 1.0μm	
		NF3	3/8″ FNPT		C20 0.20+0.45μm	
		NF4	1/2″ FNPT		D20 0.20+0.65μm	
		H2M	1/4″ Multiple Hosebarb		D45 0.45+0.65μm	
		H3M	3/8″ Multiple Hosebarb			
		H3	3/8″ Hosebarb			
		H4	1/2″ Hosebarb			
		HC	1/4"-3/8" Stepped Hosebarb			
		TCA	1 1/2" Tri-clamp&1" Tri-clamp (50.5mm)			
		TCB	1/2" Tri-clamp&3/4" Tri-clamp (25.4mm)			
MedCap PVL Series	C605	TCA	1 1/2" Tri-clamp			
	C610					
	C620					
	C630					

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