STERILE-GRADE



EFFICIENT STERILE REMOVAL SERIES

SPB Sterile-Grade Capsule Filter with Low Protein Binding and High Flux

DESCRIPTION

SPB series capsule filter is made of asymmetric PES membrane. With ultra-low protein binding and dissolution/precipitation levels, it can provide stable and reliable terminal sterilization filtration performance. It has passed the batch verification of typical bacterial removal ratings in the industry, and its sterilization ability LRV＞7.



SPB series capsule filter is available in a wide range of cages and connections, and can be customized with double-layer PES filter membrane configurations according to customer needs, ensuring reliable sterilization ability and longer service life of the filter cartridg.

FEATURES

- ☆ Strong chemical compatibility
- ☆ High Flux, low protein binding
- ☆ Proven sterile-grade filter element
- ☆ Ultra-low dissolution/precipitation
- ☆ Customizable double layer membrane configuration.
- ☆ 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.
- ☆ Filtration of red wine, beer, juice and purified water

TECHNICAL PARAMETERS

Materials of Construction	Filter Membrane	PES
	Support/Drainage	PP
	Core/Cage/End Cap	PP
	Capsule Shell	PP
Removal Ratings	0.10μm、0.20μm、0.45μm、0.10+0.45μm、0.20+0.45μm、0.45+0.65μm	
Filtration Area	C30/C80/ C150 / C300 C605/C610 / C620/C630	250cm²,500cm²/ 1000cm²/2100cm² 3000cm²/6000cm²/12000cm²/18000cm²
Filter Dimensions	Diameter of Inner Filter Cartridge	C30/C80/ C150 / C300 56mm C605/C610 / C620/C630 68mm
	Diameter of the Shell	C30/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	PESB	010	
	Capsule Filter Size	Inlet/Outlet	Material	Removal Ratings	Sterilization
FilterPod SPB 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 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 TCA 1 1/2" Tri-clamp&1" Tri-clamp (50.5mm) TCB 1/2" Tri-clamp&3/4" Tri-clamp (25.4mm)	PESB Polyether -sulphone	010 0.10μm 020 0.20m 045 0.45μm C10 0.10+0.45μm C20 0.20+0.45μm D45 0.45+0.65μm E20 0.8+0.2μm F10 0.1+1.0μm F20 0.2+1.0μm G20 0.2+1.2μm	Blank Non-sterile G γ -irradiatable
MedCap SPB Series	C605 C610 C620 C630	TCA 1 1/2" Tri-clamp			

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