EFFICIENT STERILE REMOVAL SERIES

FSG Sterile-Grade Capsule Filter with High Retention Efficiency and High Flux

DESCRIPTION

FSG series capsule filter is made of high porosity hydrophobic PTFE membrane, which has a broad range of chemical tolerance and can provide stable and reliable terminal sterilization filtration performance. Its removal ratings of typical bacteria in the industry have been verified by batches, and its sterilization ability LRV＞7.



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

FEATURES

- ☆ Broad chemical tolerance
- ☆ Proven sterilization efficiency
- ☆ Customizable double layer membrane configuration.
- ☆ High reliability
- ☆ Various cages and connections are available

APPLICATIONS

- ☆ Sterilization filtration of compressed air, nitrogen
- ☆ Sterilization of fermentation tank, batching tank and breathing filter
- ☆ Filtration of aseptic packaging gas
- ☆ Sterilization filtration of solvents and disinfectant

TECHNICAL PARAMETERS

Materials of Construction	Filter Membrane	PTFE	
	Support/Drainage	PP	
	Core/Cage/End Cap	PP	
	Capsule Shell	PP	
Removal Ratings	0.10μm、0.20μm、0.45μm、0.20+0.45μm、0.20+0.65μm、0.20+0.80μm		
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	PTFESG	010
	Capsule Filter Size	Inlet/Outlet	Material	Removal Ratings
FilterPod FSG 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 TCA 1 1/2" Tri-clamp&1" Tri-clamp(50.5mm) TCB 1/2" Tri-clamp&3/4" Tri-clamp(25.4mm)	PTFESG Polytetrafluoroethylene	010 0.10μm 020 0.20μm 045 0.45μm C20 0.20+0.45μm D20 0.20+0.65μm E20 0.20+0.80μm
MedCap FSG 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.