EFFICIENT STERILE REMOVAL SERIES

FDG Sterile-Grade Capsule Filter with Higher Removal Efficiency

DESCRIPTION

FDG series capsule filers is made of double-layer sterile-grade PTFE membrane, which has higher retention efficiency and can meet the requirements of phage retention and other harsh conditions to provide extremely reliable sterility guarantee for gases. Its removal ratings of typical bacteria in the industry have been verified by batches, and its sterilization ability LRV＞7.

FDG series capsule filter is available in a wide range of cages and connections, and at the same time have good heat tolerance, can with stand hot water disinfection and steam sterilization for a long time.



FEATURES

- ☆ Extensive chemical compatibility
- ☆ High sterilization efficiency
- ☆ High reliability
- ☆ Water intrusion test can be used
- ☆ 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	Double layer PTFE	
	Support/Drainage	PP	
	Core/Cage/End Cap	PP	
	Capsule Shell	PP	
Removal Ratings	0.10+0.10μm、0.20+0.20μm、0.45+0.45μm		
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	PTFEDG	010
	Capsule Filter Size	Inlet/Outlet	Material	Removal Ratings
FilterPod FDG 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)	PTFEDG Polytetrafluoroethylene	010 0.10+0.10μm 020 0.20+0.2μm 045 0.45+0.45μm
MedCap FDG 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.