PRE-FILTRATION AND REDUCE BIOLOGICAL LOAD SERIES

FG Strong Chemical Resistance Capsule Filter

DESCRIPTION

FG series capsule filter is made of high porosity hydrophobic PTFE membrane, which has a wide range of chemical tolerance and can provide stable and reliable filtration performance of sterilization and particle removal. Its removal ratings of typical bacteria in the industry have been verified by batches, which can effectively reduce the level of microbial load in liquid filtrate and gas, and is especially suitable for the filtration of various low surface tension chemicals and gases.



FG 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

- ☆ High porosity PTFE membrane
- ☆ Pre-filtration of gas sterilization
- ☆ Broad chemical tolerance
- ☆ High particle retention efficiency
- ☆ Various cages and connections are available

APPLICATIONS

- ☆ Sterilization of bio-fermentation gas
- ☆ Filtration of aseptic packaging gas
- ☆ Sterilization of food fermentation gas
- ☆ Sterilization filtration of respirator
- ☆ Filtration of chemical solvents

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、1.0μm、5.0μm、10.0μm		
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 Capsule Filter Size	N2 Inlet/Outlet	PTFEG Material	010 Removal Ratings
FilterPod FG 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)	PTFEG Polytetrafluoroethylene	010 0.10μm 020 0.20m 045 0.45μm 100 1.0μm 500 5.0μm H10 10μm
MedCap FG 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.