

# SurePore PVDF Capsule Filters

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

### Description

SurePore PVDF capsule filters are 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  $LRV > 7$ .

SurePore PVDF capsule filters are 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	
Filtration Area	C80/ C150 / C300	500cm <sup>2</sup> / 1000cm <sup>2</sup> /2100cm <sup>2</sup>	
	C605 / C610 / C620 / C630	3200cm <sup>2</sup> /6500cm <sup>2</sup> /13000cm <sup>2</sup> /19500cm <sup>2</sup>	
Filter Dimensions	Length of Inner Filter Cartridge	C80/ C150 / C300	1.5"/ 2.5"/ 5"
		C605 / C610 / C620 / C630	5"/ 10"/ 20"/ 30"
	Diameter of Inner Filter Cartridge	C80 / C150 / C300	56mm
		C605 / C610 / C620 / C630	68mm
Sterilization	Autoclave	124°C,30min, 5cycles 134°C,20min, 5cycles	
	Gamma Irradiation	25 kGy(Recommended)	
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	

\*Only applicable to C30

## Ordering Information

	Capsule Filter Size	Inlet/Outlet	Material	Removal Ratings	Sterilization
	C80	N2	PVDFL	020	
FilterPod 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 NH2*=1/4" NPT to 1/4" Hosebarb 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 HS=1/4"-1/2" Stepped Hosebarb TCA=1" Tri-clamp (50.5mm) TCB=1/2" Tri-clamp(25.4mm)	PVDFL= Polyvinylidene Fluoride	020=0.20µm 045=0.45µm X20=0.20µm+0.20µm C20=0.20µm+0.45µm	Blank=Non-sterile (Autoclavable) -T=Non-sterile (γ-irradiated, Gamma irradiation maximum dosage: Up to 25 kGy ) -G=Sterile (γ-irradiated, Gamma-compatible to 25 kGy ) -O=Sterile (Ethylene Oxide)*
MedCap Series	C605 C610 C620 C630	TCA =1 1/2" Tri-clamp(50.5mm)			