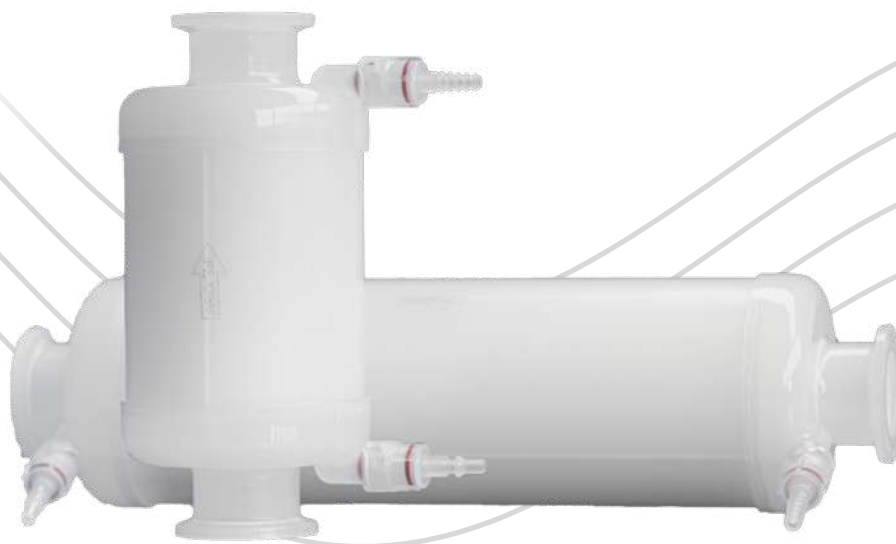


CLK series PVDF membrane Bio-burden Reduction Capsule Filters

CLK series PVDF membrane capsule utilizes single layer hydrophilic PVDF membrane. It offers broad chemical compatibility, high flow rate and low extractables. No adhesives, binders, or surfactants are used during the manufacturing process resulting in superior downstream cleanliness. All filters are rinsed with high-purity water to reduce extractables and downtime.



Capsule

Typical Applications

- Beverages
- Fine Chemicals
- Pharmaceuticals
- Gas filtration
- Biologics
- Antibiotics

Construction Materials

- Filter Media: hydrophilic PVDF
- Media Support: Polypropylene
- End Caps: Polypropylene
- Inner Core: Polypropylene
- Outer Cage: Polypropylene

Fitting Option

- 1.5" TC
- 0.5" TC
- 1/2" Hose Barb
- 3/4" Hose Barb

Vent/Drain Option

- Staubli
- Stepped hose barb

Filtration Area

Size Filtration Area

- 2.5" =1500 cm²
- 4" =2000 cm²
- 5" =2700 cm²
- 10" =6300 cm²
- 20" =12600 cm²
- 30" =18900 cm²
- 40" =25200 cm²

Toxicity

- All plastic parts meet the specifications for biological safety per USP Class VI -121°C for plastics.

Capsule Integrity

- Minimum burst pressure: 123.5psi (8.5 barg)

Cartridge Integrity Test Specifications

Pore size	Min.Bubble point
0.1 µm	1.7 barg @ 22 °C / IPA
0.2 µm	3.5 barg @22°C
0.45 µm	2.0 barg @ 22°C
0.65 µm	1.1 barg@22°C

Food Safety Compliance

- Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21 CFR.
- Materials used to produce filter media and hardware are safe for use in contact with foodstuffs in accordance with EU Directives 10/2011.

Eg.=>CIKPV0010BNSS5TCSS0

ORDERING INFORMATION								
Product Type	Membrane Type	Membrane pore size	Application	Sterilization	Size	Fittings In/Out	Vent/Drain	Revision
CIK = Capsule InT Filter	PV = PVDF philiic	0010 = 0.1 µm	B = Low Bio	N = Not Sterile	SS = 2.5"	5TC = 1.5" TC	SS = St/St	0 = Bag label
		0020 = 0.2 µm		S = Sterile	SL = 4"	2HB = 1/2" HB	HH = HB/HB	1 = Housing label
		0045 = 0.45 µm			LL = 5"	4HB = 3/4" HB	SH = St/HB	
		0065 = 0.65 µm			TE = 10"	T2B = 1.5" TC/ 1/2" HB	HS = HB/St	
					TW = 20"	T4B = 1.5" TC/ 3/4" HB		
					TH = 30"	2BT = 1/2"HB/ 1.5TC		
					FO = 40"	2B4 = 1/2"HB/ 3/4"HB		
						4BT = 3/4"HB/ 1.5"TC		
						4B2 = 3/4"HB/ 1/2"HB		