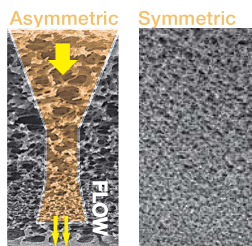


# AdvanLife Filter Cartridges

PES Membrane-Bio-burden Reduction Liquid Filter

**AdvanLife Filter** Cartridges are constructed of a single-layer asymmetric hydrophilic PES membrane. Characteristics include excellent throughput and high dirt hold capacity and durability. These filters are recommended as a bio-burden reduction filter as it provides final stage sterilizing-grade filters with additional protection to increase its service life.



## Features and Benefits

- Highly asymmetric PES membrane provides high dirt holding capacity and longer service life
- Broad chemical compatibility

## Quality Standards

- Manufactured in a facility which adheres to ISO 9001:2015 Practices .
- Full Regulatory Compliance with following :
  - Bacterial Endotoxin :Aqueous extraction of autoclaved filter contains <0.25 EU/ml as determined by Limulus Amebocyte Lysate (LAL),USP<85>.
  - Non-fiber Releasing :Component materials meet the criteria for a " Non-fiber-releasing filter " as defined in 21 CFR 210.3(b)(6).
  - Component Material Toxicity :Meet the requirement of USP <87> In Vitro Cytotoxicity Test ; Meet the Criteria of USP<88> Biological Reactivity Test for Class VI-121 C plastics
  - TOC/Conductivity at 25 °C : Autoclaved filter effluent meet the USP<643> for Total Organic Carbon and USP<645> for Water Conductivity per WFI requirements after a UPW flush of specified volume .
  - Particle Shedding : Autoclaved filter effluent meet the USP<788>for large volume Injections .
  - Indirect Food Additive: All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177-182 ,and EU framework regulation [1935/2004/EC].



## Applications

- Buffer and Culture Solutions
- Plasma, Serums, and Vaccines
- LVP
- Ophthalmic Solutions
- Water-soluble Antibiotics

## Materials of Construction

Filter Medium	PES Membrane
Cage/Support	Polypropylene
Core/End Caps	Polypropylene

## Operating Conditions

Max. Operating Pressure	6.9 bar (100 psi) at 25 °C
	4.0 bar (58 psi) at 60 °C
	2.4 bar (35 psi) at 80 °C
Max. Differential Pressure	Forward 6.9 bar (100 psi) at 25 °C
	4.0 bar (58 psi) at 60 °C
	2.4 bar (35 psi) at 80 °C
	Reverse 3.0 bar (44 psi) at 25 °C
	1.0 bar (15 psi) at 80 °C
Effective Filtration Area	0.58m <sup>2</sup> / Φ 69-10 inch

## Sterilization

Inline Steam Sterilization	up to 100 cycles (135°C for 30min< 0.3 bar per cycle)
Autoclave	up to 200 cycles (130°C for 30min per cycle)

## Ordering Information

APSEA	Removal Ratings	End Cap	Nominal Length	Seal Material	-P
0022	0.22 μm	H5F=226 /Fin (PBT Insert)	05=5"	S=Silicone	
0045	0.45 μm	H5C=226 /Flat (PBT Insert)	10=10"	E=EPDM	
0065	0.65 μm	HTF=222 /Fin (PBT Insert)	20=20"	V=Viton	
0080	0.8 μm	HTC=222 /Flat (PBT Insert)	30=30"	P=PFA/Viton	
0120	1.2 μm	DOE=Double Open End	40=40"		
0800	0.0 μm				

## Flow Rate Characteristics

