

# High bubble point and long life polyethersulfone (PES) sterilization grade filter cartridge

## EAPSH Series

Eternalwater EAPSH Series--Polyethersulfone membrane pleated filter cartridges adopt imported asymmetrical unsupported PES membrane, its pore size gradually decreases with depth, this structure maintains a certain Consistent porosity and retention. All elements of the filter cartridge comply with FDA regulations for food contact use. It has high retention rate and super hydrophilicity. The good heat resistance of the filter cartridge can be steam sterilized many times, suitable for most of the terminal sterilization filtration in the bio-pharmaceutical industry.



### Product Features

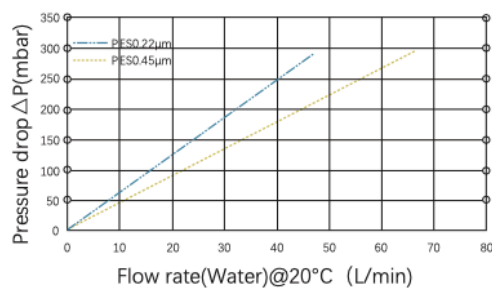
- Asymmetric membrane structure, high dirt holding capacity, low protein adsorption
- High flow rate, long life, super hydrophilic
- 100% Integrity Tested Ensures Absolute Bacteria Removal
- Widely chemical compatibility
- PH working range 1-14

### Typical Application

- Filtration of biological vaccines, plasma, serum
- Sterilization and filtration of buffer solution, culture media
- Sterilization and filtration of large volume parenteral (LVP)
- Filtration of eye drop
- Filtration of aqueous antibiotic liquid
- Sterilization and filtration of cleaning solution and disinfectant

### Product Specification

Flow characteristics of single layer 10" PES filter cartridge



Filter Material	Asymmetrical Polyethersulfone Membrane
Center core / Housing / End cap Material	Polypropylene
Cage material	Polypropylene
Vent O-ring Material	Silicone/ EPDM/ Viton
Filtration area	≥0.6m <sup>2</sup> /10inch
Maximum working temperature	80°C
Maximum working pressure difference	4.2bar@23°C (forward direction) 2.4bar@80°C (forward direction)
Sterilization	126°C/30min; high pressure steam sterilization; ≥30 times
Endotoxin	< 0.25EU/mL
Extractable matter	< 30mg/10inch
Biocompatibility	All materials comply with bio-safety evaluation of plastic USP<88>, ClassVI-70°C level
Integrity Test Method	Bubble point, diffusion flow; for detailed parameters, please consult the sales engineer of Eternalwater Company

### Ordering Information

#### EAPSH 1 2 3 4 5

Block 1		Block 2		Block 3	Block 4		Block 5	
Code	Removal Rating	Code	End Cap Type	Length	Code	O-ring Seal Material	Code	Cage Material
005	0.05μm	J1	222/Fin	05inch	S	Silicone	A	Polypropylene
010	0.10μm	J2	222/Flat	10inch	E	EPDM		
020	0.20μm	J3	226/Fin	20inch	V	Viton		
045	0.45μm	J4	226/Flat	30inch				
050	0.50μm	J5	DOE	40inch				
060	0.60μm							
080	0.80μm							
100	1.00μm							
500	5.00μm							