

Double-layer polyethersulfone (PES) severe terminal sterilization grade filter cartridge

EDPSH Series

Eternalwater EDPSH series--Filter cartridges adopt a combination of double-layer membranes with different pore sizes or the same pore size, and a highly asymmetric pore structure polyethersulfone membrane, which makes the filter cartridge have excellent filtration performance and reliable bacterial retention capacity. It can be widely used in severe terminal sterilization and filtration in industries such as bio-pharmaceutical industry.



Product Features

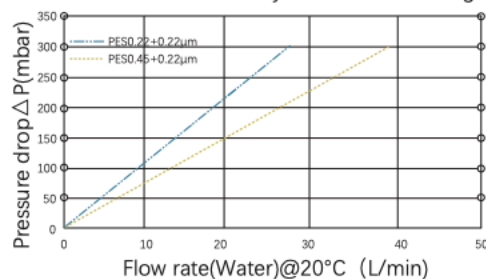
Double-layer combination design make sterilization effect more safer and reliable
 Super hydrophilic, high dirt holding capacity, ensure long life of the filter cartridge
 100% integrity tested ensures sterilization absolutely
 Very good PH compatibility (1-14)
 Low protein adsorption function
 Structurally stable and withstands 30 sterilization cycles

Typical Application

- Sterilization and filtration of biological vaccines and blood products
- Sterilization and filtration of sterile raw materials
- Sterile filtration of large volume parenteral (LVP) and small volume parenteral (SVP)
- Sterilization and filtration of eye drops
- Sterilization and filtration of physiological saline, buffer solution and reagent water

Product Specification

Flow characteristics of double-layer 10" PES filter cartridge



Filter Material	Imported double-layer asymmetric polyethersulfone membrane
Center core / Housing / End cap Material	Polypropylene
Cage material	Polypropylene
Vent O-ring Material	Silicone/ EPDM/ Viton
Filtration area	≥0.6m ² /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; ≥ 30times
Endotoxin	< 0.25EU/mL
Extractable matte	< 30mg/10inch
Biocompatibility	All materials comply with biosafety 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

EDPSH 1 2 3 4 5

Block 1

Code	Removal Rating
010010	0.10+0.10μm
020020	0.20+0.20μm
045045	0.45+0.45μm
020010	0.20+0.10μm
045020	0.45+0.20μm
065020	0.65+0.20μm

Block 2

Code	End Cap Type
J1	222/Fin
J2	222/Flat
J3	226/Fin
J4	226/Flat
J5	DOE

Block 3

Length
05inch
10inch
20inch
30inch
40inch

Block 4

Code	O-ring Seal Material
S	Silicone
E	EPDM
V	Viton

Block 5

Code	Cage Material
A	Polypropylene