

Hydrophobic gas sterilization polyethersulfone (PES) filter cartridge

EST Series



Eternalwater EST Series--Gas sterilization polyethersulfone filter cartridges adopt hydrophobic polyethersulfone membrane, which has superior performance of high flow rate, low pressure drop, high temperature resistance and high retention rate. Mainly used in gas sterilization and filtration of biological fermentation, pharmaceutical industry

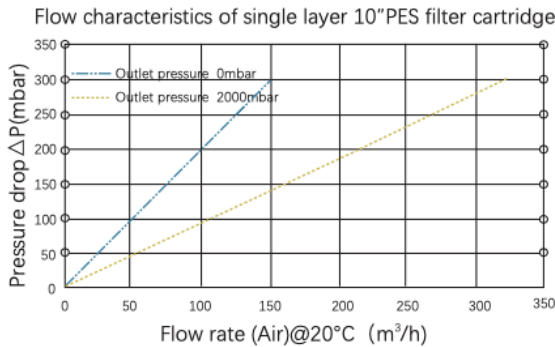
Product Features

- Resistant to radiation sterilization
- Resistant to strong oxidation and strong corrosive solutions
- Low precipitation
- Widely chemical compatibility
- Ultra-low extractables

Typical Application

- Sterilization and filtration of compressed air and nitrogen
- Intake and exhaust filtration of water for injection storage tank respirator
- Sterilization and filtration of gas for aseptic packaging
- Sterilization and filtration of fermentation gas
- Sterilization and filtration of corrosive gas

Product Specification



Filter Material	Hydrophobic polyethersulfone membrane
Center core / Housing / End cap Material	Stainless Steel/Polypropylene/Lined Stainless Steel
Cage material	Polypropylene
Vent O-ring Material	Silicone/ EPDM/ Viton
Filtration area	≥0.6m²/10inch
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 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

EST 1 2 3 4 5

Block 1

Code	Removal Rating
020	0.20µm
020020	0.20+0.20µm

Block 2

Code	End Cap Type
J1	222Fin
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
D	E-FKM

Block 5

Code	Cage Material
A	Polypropylene
B	PP Cage material + End cap type lined with stainless steel
C	PP Cage material + stainless steel lining