

# Mixed cellulose membrane (MCE) sterilizing grade filter cartridge

## EPM Series

Eternalwater EPM series--Liquid sterilization filter cartridge, made of hydrophilic mixed cellulose membrane (MCE), has advantages of low adsorption and high protein recovery rate, and can be used for filtering materials with high protein concentration in bio-pharmaceutical industry.

### Product Features

- Very low protein adsorption performance
- Low precipitation
- Tolerant to PH1-14
- Good sterilization performance
- Each filter cartridge corresponds to a unique serial number, which can be tracked throughout the process

### Typical Application

- Filtration of blood product
- Filtration of culture media
- Filtration of vaccine
- Filtration of buffer solution

### Product Specification

Filter Material	Mixed Cellulose 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 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

EPM 1 2 3 4 5

#### Block 1

Code	Removal Rating
020	0.20µm
045	0.45µm

#### 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
B	PP Cage material + End cap type lined with stainless steel
C	PP Cage material + stainless steel lining

