Sterilizing grade capsule filter KMX Series

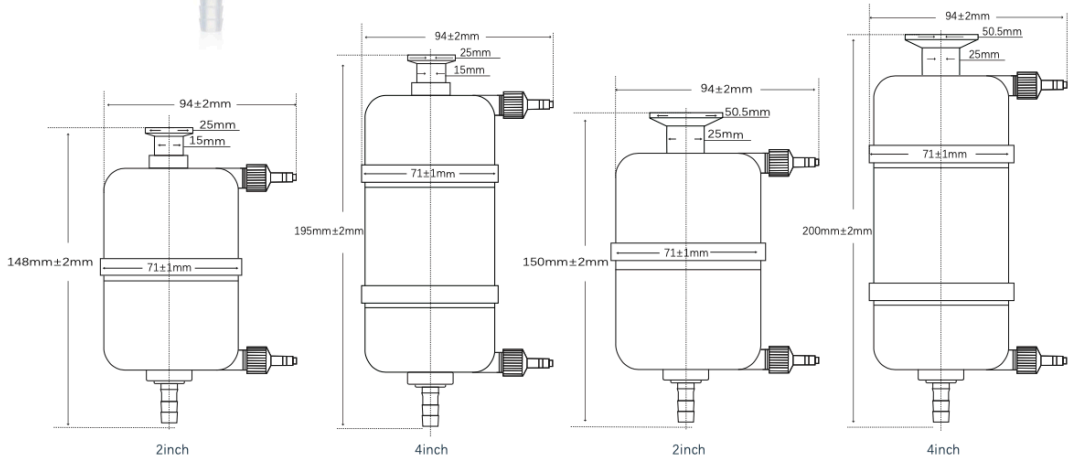
Eternalwater KMX series--of capsule filter products cover a variety of specifications and materials and can be applied to bioprocess filtration steps. They meet the requirements of applications from small-scale experiments to large-scale production, with superior filtration performance and reliable sterilization protection.

Typical Applications

- Bacterial removal filtration for large and small volume infusions
- Bacterial removal filtration for Vaccines, Biologicals and Antibiotics
- Bacterial removal filtration for serum and plasma separation
- Bacterial removal filtration for cell culture media
- Bacterial removal filtration for diagnostic reagents and preparations containing proteins, vitamins and preservatives
- Disposable stock solution sterile filtration
- Buffer solution filtration

Product Specification

Nominal size	2inch	4inch
Outer diameter	67mm	
Filtration area	1200cm²	2400cm²
Housing material	Polypropylene	
Center pole material	Polypropylene	
Housing material	Polypropylene	
Vent O-ring Material	Silicone	
Vent /Drain Outlet Diameter	Φ4mm	
Maximum Operating Pressure Difference	4 bar (58 psi) at 25°C	
Housing pressure	5.5 bar (80 psi) at 25°C	
Sterilization	Can be sterilized by Gamma radiation up to 45KGy Can be sterilized by high-pressure steam at 126°C for 30 minutes three times (in-line steam sterilization is not available)	
Bacterial Endotoxin	According to the bacterial endotoxin test method stipulated in the general rule (1143) of the Chinese Pharmacopoeia 2020 edition. As determined by Limulus reagent (LAL), the aqueous extract content is < 0.25 EU/mL	
Microbial Challenge Test	>10^7cuf/cm² ; according to ASTM® test method passed Pseudomonas diminuta (B. diminuta) (ATCC® 19146)	
Biosecurity	All materials meet USP <88> Reaction Test Standards for Plastic Materials Class VI-70°C	
TOC/Conductivity	TOC value≤0.5mg/L, conductivity value≤1.3us/cm. According to the Chinese Pharmacopoeia 2020 Edition, the general rule (0682) the determination method of total organic carbon in pharmaceutical water and the general rule (0681) the determination method of the conductivity of pharmaceutical water	
Cleanliness	According to the light inspection method stipulated in the general rules (0904) of the Chinese Pharmacopoeia 2020 edition, no fibers and other visible foreign matter were detected in the filtrate	
Integrity Test	Bubble point, diffusion flow, water intrusion; please consult the sales engineer of Eternalwater Company for detailed parameters	



Order Information

KMX 1 2 3 4 5 6

Block 1

Membrane Material
S=Hydrophilic PES
ST=Hydrophobic PES
T=Hydrophobic PTFE
LT=Hydrophilic PTFE
V=Hydrophobic PVDF
LV=Hydrophilic PVDF
M=MCE
N=Nylon
P=PP

Block 2

Removal Rating
005=0.05μm
010=0.10μm
020=0.20μm
045=0.45μm
065=0.65μm
080=0.80μm
100=1.00μm
120=1.20μm
020010=0.20+0.10μm
020020=0.20+0.20μm
045020=0.45+0.20μm
065020=0.65+0.20μm
065045=0.65+0.45μm
080020=0.80+0.20μm
120020=1.20+0.20μm

Block 3

Length
2=2inch
4=4inch

Block 4

Interface Form
Y1=TC50→Φ10-13mm
Y2=TC25→Φ10-13mm

Block 5

Sterilized Form
G=Resistance to Gamma Radiation Sterilization
Z=Autoclave only
W=Sterile type

Block 6

Packing
1=1 Pcs/Box