

Sterilizing grade capsule filter

KMH Series



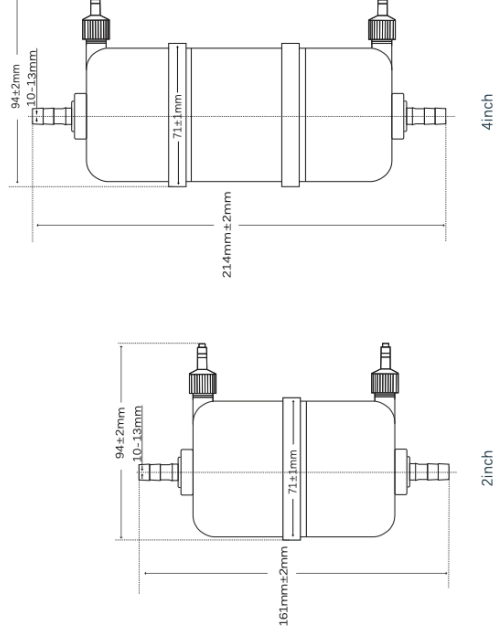
Eternalwater KMH series--of capsule filter products cover a variety of specifications and materials and can be applied to bioprocess filtration steps. They meet the requirements of applications from small-scale experiments to large-scale production, with superior filtration performance and reliable sterilization 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	
Total length	162mm	215mm
Filtration area	1200cm ²	2400cm ²
Housing material	Polypropylene	
Center pole material	Polypropylene	
Support layer 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 ⁶ cfu/cm ² ; 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

KMH 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

End Cap Type
F=Φ6-8mm hose connection
H=Φ10-13mm hose connection

Block 5

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

Block 6

Packing
1=1 Pcs/Box