

## Sterilizing grade capsule filter

### KMT Series

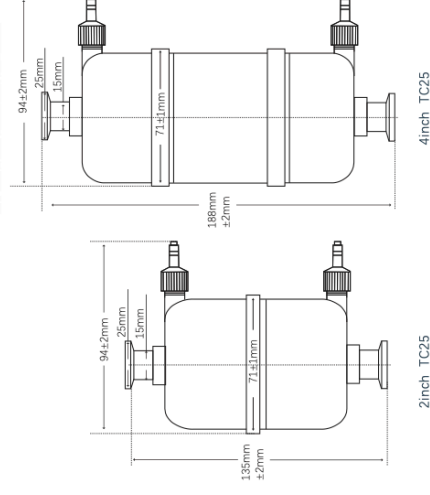
Eternalwater KMT series--of capsule filter products cover a variety of specifications and materials and can be applied to bioprocess filtration steps. They meet the requirements of applications from small-scale experiments to large-scale production, with superior filtration performance and reliable sterilization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

#### Typical Applications

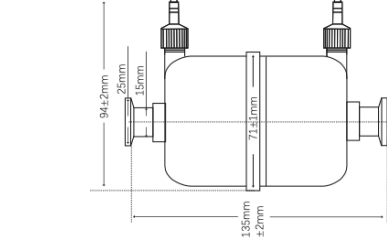
- Bacterial removal filtration for large and small volume infusions
- Bacterial removal filtration for Vaccines, Biologicals and Antibiotics
- Bacterial removal filtration for serum and plasma separation
- Bacterial removal filtration for cell culture media
- Bacterial removal filtration for diagnostic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

#### Product Specification

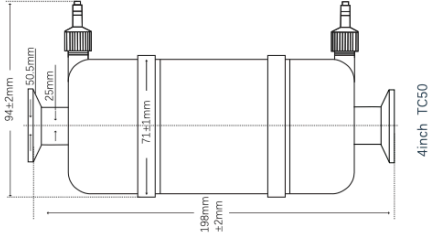
Nominal size	2inch	4inch
Outer diameter	67mm	
Filtration area	1200cm <sup>2</sup>	2400cm <sup>2</sup>
Housing material	Polypropylene	
Center pole material	Polypropylene	
Housing material	Polypropylene	
Vent O-ring Material	Silicone	
Vent /Drain Outlet Diameter	∅ 4mm	
Maximum Operating Pressure Difference	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 <sup>6</sup> cfu/cm <sup>2</sup> ; 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 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	
TOC/Conductivity	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	
Cleanliness	Bubble point, diffusion flow, water intrusion, please consult the sales engineer of Eternalwater Company for detailed parameters	
Integrity Test		



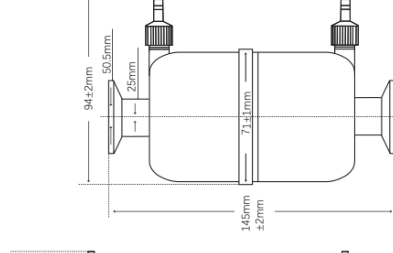
2inch TC25



2inch TC25



4inch TC50



2inch TC50

#### Order Information

##### KMT 1 2 3 4 5 6

Block 1	Block 2	Block 3	Block 4
Membrane material	Removal Rating	Length	End Cap Type
S=Hydrophilic PES	005=0.05µm	2=2inch	T1=TC50
ST=Hydrophobic PES	010=0.10µm	4=4inch	T2=TC25
T=Hydrophobic PTFE	020=0.20µm		
LT=Hydrophilic PTFE	045=0.45µm		
V=Hydrophobic PVDF	065=0.65µm		
LV=Hydrophilic PVDF	080=0.80µm		
M=MCE	100=1.00µm		
N=Nylon	120=1.20µm		
P=PP	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 5  
Sterilized Form  
G=Resistance to Gamma Radiation Sterilization  
Z=Autoclave only  
W=Sterile type

Block 6  
Packing  
1=1 Pcs/Box