Syringe filter KZ Series

Eternalwater KZ series--syringe filters are suitable for prefiltration of small amount of samples in the laboratory, clarification and removal of particles, and sterilizing filtration of liquids and gases. Low adsorption to samples ensures maximum sample recovery. The housing is made of polypropylene (PP), which has excellent chemical stability. A variety of filter membranes and specifications are available.

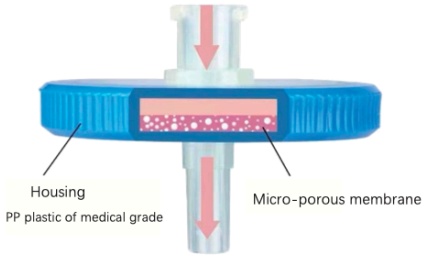
Product Features

Polyethersulfone (PES)	High flux, low release
Mixed cellulose (MCE)	Not resistant to strong acid and alkali solutions and most organic solvents, and is suitable for filtration of aqueous solutions
Nylon (Nylon)	Good high temperature resistance, suitable for water and organic systems, not resistant to acid and alkali
Polytetrafluoroethylene (PTFE)	Good chemical resistance, high temperature resistance, strong acid and alkali resistance, and can be divided into hydrophilic membrane and hydrophobic membrane
Hydrophilic polyvinylidene fluoride (PVDF)	low protein binding and is compatible with aqueous and mild organic solutions

Typical Application

- Filtration of aqueous sample
- Sterilization and filtration of gas
- Sterilization and filtration of liquid
- Clarification and filtration of large particle
- Filtration of serum and culture media
- Sterilization and filtration of disposable stock solution
- Filtration of buffer solution
- Sterilization and filtration of cell culture media

Diagram



Product Specification

Nominal size	Φ13mm	Φ25mm	Φ33mm
Selection	1-10ml	5-100ml	10-200ml
Effective filtration area	0.7cm²	3.2cm²	4.5cm²
Connector (inlet / outlet)	Female Luer-Lok/Male Luer slip		
Housing material	Polypropylene		
Maximum operational pressure	3.5bar		
Seal technique	Hot melt welding (without adhesive)		
Sterilization	Can be sterilized by 126° autoclave for 30 minutes 3 times		
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	$>10^7$ cuf/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.		
Factory system	Strictly implement the ISO9001:2015 quality management system		

Ordering Information

KZ 1 2 3 4 5 6

Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
Membrane Material	Removal Rating	Diameter	Connector Type	Sterilized Form	Packing
S=Hydrophilic PES	020=0.20μm	130=Φ13mm	LT=Luer connector	Z=Autoclave only	1=1Pcs/Package
ST=Hydrophobic PES	045=0.45μm	250=Φ25mm		W=Sterile type	
T=Hydrophobic PTFE		330=Φ33mm			
LT=Hydrophilic PTFE					
V=Hydrophobic PVDF					
LV=Hydrophilic PVDF					
M=MCE					
N=Nylon					
P=PP					