

Hydrophilic PTFE sterilization grade filter cartridge ELT Series



Eternalwater ELT Series--Sterilizing filter cartridges adopt hydrophilic polytetrafluoroethylene (PTFE) membrane. Filter cartridge does not require pre-wetting passes Pseudomonas diminuta (ATCC ® 19146) retention test. It can be used for sterilization and filtration of medicinal liquids containing organic solvents in the pharmaceutical industry

Product Features

- Permanently hydrophilic, no pre-wetting required
- Suitable for filtration of liquid medicines containing solvents
- Low precipitation, ultra-low extractables
- (PH1-14) range has high compatibility
- Each filter cartridge corresponds to a unique serial number, which can be tracked throughout the process

Typical Application

- Sterilization and filtration of eye drops
- Sterilization and filtration of aqueous or solvent-based materials
- Sterile Filtration of antibiotic materials
- Sterile Filtration of disinfectants and cleaning solutions
- Filtration of strong corrosive reagents

Product Specification

Filter Material	Hydrophilic PTFE membrane
Center core / Housing / End cap Material	Polypropylene
Cage material	Polypropylene
Vent O-ring Material	Silicone/ EPDM/ Viton
Filtration area	≥ 0.6m ² /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

ELT 1 2 3 4 5

Block 1

Code	Removal Rating
010	0.10µm
020	0.20µm
045	0.45µm
050	0.50µm
060	0.60µm
080	0.80µm
100	1.00µm
500	5.00µm

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
D	E-FKM

Block 5

Code	Cage Material
A	Polypropylene