AET/AETI Filter Cartridges

All Fluoropolymer Constructed

COBETTER AET Filter Cartridges are composed of a hydrophobic PTFE membrane and ECTFE core, cage and support making it suitable to use in strong acid and solvent filtration.

AETI Filter Cartridges are composed of a hydrophilic PTFE membrane which is specially designed for aggressive water-based filtration conditions.

AET and AETI Filter Cartridges are recommended for particle removal in pharmaceutical applications.

Features and Benefits

- 100% all Fluoropolymer construction
- Absolute rated in all ratings except 0.22μm; 0.22μm rating's retention efficiency is up to 99.99999%
- High filtration performance including high flow rates and low pressure drops
- Available in both hydrophobic and hydrophilic PTFE media

Quality Standards

- Manufactured in a facility which adheres to ISO 9001:2015 Practices .
- Full Regulatory Compliance with following :
  - •Bacterial Endotoxin :Aqueous extraction of autocalved filter contains <0.25 EU/ml as determined by Limulus Amebcyte Lysate (LAL),USP<85>.
  - •Non-fiber Releasing :Component materials meet the criteria for a " Non-fiber-releasing filter " as defined in 21 CFR 210.3(b)(6).
  - •Component Material Toxicity :Meet the requirement of USP <87> In Vitro Cytotoxicity Test ; Meet the Criteria of USP<88> Biological Reactivity Test for Class VI-121℃ plastics
  - •TOC:Conductivity at 25 ℃: Autoclaved filter effluent meet the USP<643> for Total Organic Carbon and USP<645> for Water Conductivity per WFI requirements after a UPW flush of specified volume .
  - •Particle Shedding : Autoclaved filter effluent meet the USP<788>for large volume Injections
  - •Indirect Food Additive: All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177-182 ,and EU framework regulation [1935 2004/EC].

Typical Applications

- Strong Acid Filtration
- Aggressive Solvents Filtration

Materials of Construction

Filter Media	AET : Expanded Hydrophobic PTFE Membrane AETI: Expanded Hydrophilic PTFE Membrane
Cage/Support	ECTFE
Core/End Caps	ECTFE
O-ring	PTFE/PTFE Encapsulated Viton

Operating Conditions

Max. Continuous Operating Temperature	96°C
Max. Differential Pressure	5.0 bar / 21°C (forward) 3.0 bar / 80°C (forward)
Effective Filtration Area	0.96m² / Φ 68-10 inch

* Not Recommended for Inline Steam Sterilization and Autoclaving

Ordering Information

AET
AETI

Removal Ratings	End Cap	Nominal Length	Seal Material
0002=0.02μm	**SF**=226 /Fin	**05**= 5"	**K**=PTFE
0010=0.1μm	**SC**=226 /Flat	**10**=10"	**P**=PFA Viton
0020=0.2μm	**TF**=222 /Fin	**20**=20"	
0045=0.45μm	**TC**=222 /Flat	**30**=30"	
0100=1.0μm	**DOE**=Double Open End	**40**=40"	
0500=5.0μm			
1000=10 μm			