

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 autoclaved filter contains <0.25 EU/ml as determined by Limulus Amebocyte 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 C plastics
 - TOC/Conductivity at 25 C : 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	0.96m ² / Φ 68-10 inch

* Not Recommended for Inline Steam Sterilization and Autoclaving

Ordering Information

	Removal Ratings	End Cap	Nominal Length	Seal Material
AET				
AETI				
	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			

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