

AET-F/AETI-F FILTER CARTRIDGES

Hydrophilic and Hydrophobic PTFE membrane filters with PVDF cage, core and support, for aggressive pharmaceutical applications

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DESIGNED FOR AGGRESSIVE PHARMACEUTICAL APPLICATIONS

AET-F Filter Cartridges are composed of a hydrophobic PTFE membrane and PVDF core, cage, and support, making it suitable for use in strong acid and solvent filtration.

AETI-F Filter Cartridges have a hydrophilic PTFE membrane which is specially designed for aggressive water-based filtration conditions.

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

FEATURE	BENEFIT
100% fluoropolymer construction	High filtration performance including high flow rates and low pressure drop
	Ideal for use with strong acids, and solvent filtration
	0.22 µm rating's retention efficiency up to 99.99999%
	Available in both hydrophobic and hydrophilic PTFE media
	Broad chemical compatibility

QUALITY STANDARDS

Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001 Practices.
TOC / Conductivity at 25°C	Autoclaved filter effluent meets 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 meets the requirements in USP <788> for large volume injections
Non-Fiber Releasing	Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6)
Bacterial Endotoxin	Aqueous extraction of autoclaved filter contains < 0.25 EU/mL as determined by Limulus; Amebocyte Lysate (LAL), USP <85>.
USP <87> Cytotoxicity	Meet the requirement of USP <87> In Vitro Cytotoxicity Test
USP <88> Biological Toxicity	Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics.
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].

SPECIFICATIONS

Filter media	Expanded Hydrophobic or Hydrophilic PTFE Membrane
Supports/core/cage/end caps	PVDF
Effective filtration area	0.96 m ² (10.3 ft ²)/ φ68-10 inch
O-rings	PTFE, FEP/PFA encapsulated FKM



Typical Applications

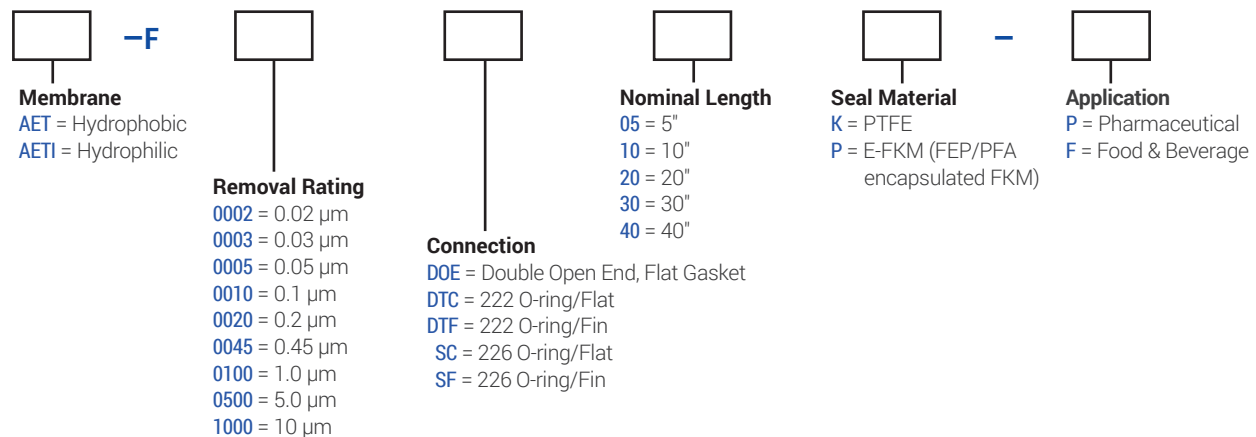
- Strong Acid Filtration
- Aggressive Solvents Filtration
- Ozonated Water
- API Manufacturing

Cartridge Diameter	68 mm (2.7 in.)
Max. Continuous Operating Temperature	96°C
Max. Differential Pressure	0.50 MPa (5.0 bar, 73 psi) at 21°C 0.30 MPa (3.0 bar, 44 psi) at 80°C

Not recommended for Inline Steam Sterilization and Autoclaving.

ORDERING INFORMATION

EXAMPLE: **AET-F0020SF10P-P** = Hydrophobic, 0.2 µm, 226/Fin, 10" length filter with E-FKM seals



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