



ACF Filter Cartridges

■ Activated Carbon Fiber

Depth Series

Activated Carbon Cartridges Made By Activated Carbon Fiber Offer Better Performance than Granular Type Carbon Filter.

Parker's ACF cartridges are made of Cellulose and an activated carbon in fiber conditions. Originally powdered type was used, then the granular activated carbon was also used. Finally, the third generation is called the activated carbon fiber. ACF creates very little coal dust, minimizing contaminants.

Applications

- Food and Beverage
- Chemical Processing
- Inorganic Acids
- Mineral Water



Features and Benefits

- ACF activated carbon fiber has large surface area and it has unique pore size and structure range from 5-100 Å.
- ACF can be used to adsorb wide range of contaminants, and its capacity of adsorption is larger than granular activated carbon.
- An adsorptive velocity is normally 10-100 times larger than granular type.
- A very thin layer of ACF can be used to completely remove large amounts of contaminants.
- The material can be easily assembled into a filtration units, without special tooling requirements.
- ACF can be easily combined with other filter material to provide extra strength and added coal dust removal capability.
- Compared to other materials, ACF retains its shape for a longer period of time.

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Specifications

Materials of construction:

- Filter Media : Activated carbon Fiber with Polypropylene outer layer
- Core : Polypropylene
- Integrally Welded Gaskets : Polyolefin

Dimensions:

- 1.1 in (28 mm) ID ×2.56 in (66 mm) OD
- 10, 20, 30 in nominal lengths

Recommended Operating Conditions:

- Maximum Temperature:
 - @ 60 psid(4.1bar):80°F(27°C)
 - @ 35 psid(2.4bar):160°F(71°C)
 - @ 15 psid(1.0bar):200°F(93°C)
- Maximum Recommended Flow Rate: 4.5 gpm per 10 in length
- Change Out ΔP : 35 psi(2.4bar)
- Maximum Operating Pressure @ Ambient Temperature: 60psi(4.1bar)

Material Specification:

Types	Unit Mass (g/m ²)	Density (g/cm ³)	Benzene Adsorption(wt%)	Area (m ² /g)
ACF-1000	270-310	0.045	30-35	950-1050

Ordering Information

ACF	10	A	TC
Cartridge Code	Nominal Length (in)	Core Material	End Cap configuration
Activated Carbon Fiber Cartridge	9-4=9 3/4 10=10 19-4=19 1/2 20=20 29-4=29 1/4 30=30	A=FDA Polypropylene	SC=2-226/Flat SF=2-226/Fin TC=2-222/Flat TF=2-222/Fin

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