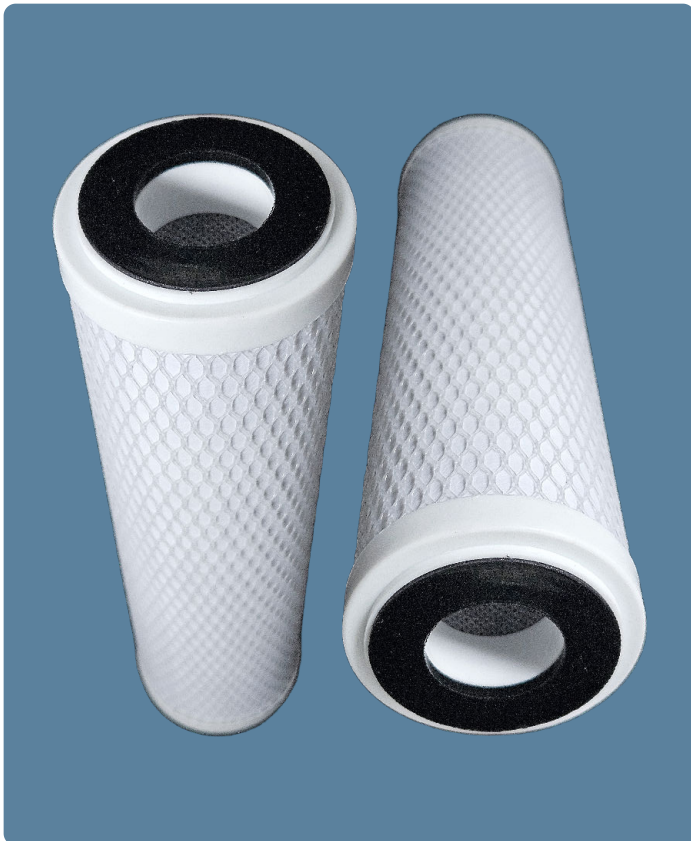


TechDepth AC

Activated Carbon Filter Cartridges

TechDepth AC

Activated Carbon Filter Elements are designed for the effective adsorption of chlorine, organic compounds, color, taste, and odor from water and selected process liquids. They are suitable for use in industrial, chemical, and Food & Beverage applications where controlled adsorption performance and consistent product quality are required.



Key Features

- High-quality activated carbon media
- Effective removal of chlorine and organic compounds
- Reduction of color and odor
- Suitable for continuous industrial operation
- Stable adsorption characteristics
- Manufactured from high-quality, application-specific materials
- Compatible with standard industrial and sanitary filter housings
- Low shedding of carbon fines
- Low pressure drop optimizing flow and performance
- High Efficiency - Iodine number 800 ensuring high chlorine removal efficiency

Technical Specifications

Parameter	PP Cartridge
Filter Media	Activated Carbon
Filter Type	Carbon block
Filtration Mechanism	Adsorption
Flow Rate	Typically 4 lpm per 10" element
Iodine Rating	Value 800
Operating Temperature	4 – 70 °C
Maximum Temperature	70 °C
pH Range	5 – 9
Gasket Material	EPDM
End Cap Material	Polypropylene
Outer Wrap	Polypropylene
Service Life	Typically >23,000 litres at 4 lpm flow (using 2ppm free available chlorine with greater than 90% reduction)

Maintenance

- Non-regenerable; replace when adsorption capacity is exhausted
- Replace when breakthrough occurs or when an unacceptable pressure drop is observed
- Store unused cartridges in a clean, dry environment

Disclaimer

All information provided is indicative and subject to change without prior notice. Final suitability must be confirmed by application-specific evaluation.

Applications Industrial & Chemical

- Process water filtration
- Pre-treatment for reverse osmosis (RO) and demineralization systems
- Food & beverage industry (ingredient and process water)
- Chemical industry process water and utility water treatment
- Removal of chlorine and organic contaminants from chemical production streams
- Process water (PW) and utility water (non-sterile applications)
- Carbon polishing of chemical
- Reduction of odor, color, and trace organic compounds in industrial liquids

Typical Contaminant Reduction

- Free and combined chlorine
- Organic compounds (VOCs)
- Color- and odor-causing substances
- Trace organic impurities

Actual removal efficiency depends on influent concentration, contact time, and operating conditions.

Installation

- Install in a compatible industrial or sanitary filter housing
- Flush thoroughly before commissioning
- Operate within the temperature and pH limits

Ordering information

Code	-	Length (inch)	Gasket material
TF-CB	-	10" 20" 30" 40"	E = DOE EPDM

Example article code: TF-CB-10E

Example article Description: TechDepth AC Carbon Block Filter 10" DOE EPDM gaskets