

# Carbon-Clean Series Filter Cartridges

## Product Introduction

### CB-GT Series

Carbon-Clean's CB-GT Series is filled up with granular Activated Carbon, and designed to absorb and remove unwanted taste, odor and color by liquid pass through the porous structure of the activated carbon, diffusing the compounds to be removed to the surface of the adsorbent. With high strength construction and pass through filtration model, it is durable, easy installation, and suitable for Food & Beverage Industry and other applications



### CB-B Series

Carbon-Clean's CB-B series filter is a cost-effective alternative to granular activated carbon cartridge. It is excellent at absorbing unwanted taste, odor and color. Besides, CB-B cartridge is durable by its strength crushing process. It's a suitable choice for potable water and food service applications. CB-B also utilize high porosity design of carbon to provide premature plugging, and its polypropylene inner and outer layer filtration media can provide pre-filtration and post-treatment.



### CB-WS Series

Carbon-Clean's CB-WS series filter has carbon-impregnated cellulose media that can provide lower pressure drops than conventional carbon block filter technology. In addition, CB-WS series filter's carbon technology can improve that quality of potable water by removing unwanted taste, odor, and color. Besides, its polypropylene components provide a wide range of options to address chemical compatibility concerns.



### CB-RC Series

Carbon-Clean's CB-RC series filter is excellent at polishing filter for process or closed loop streams. Its high quality carbon sheet increase the absorption efficiency and capacity. In addition, it can remove chlorine and eliminate trace odor. CB-RC series filter's rigid polypropylene center core enhances the mechanical strength of filter cartridge, and its elastomeric and caps can improve sealing performance by minimizing the chance of bypass.



- All materials are FDA listed for food and beverage contact
- Manufactured under A certified ISO 9001 quality system



## Product Specifications

### Material of Construction

	Filter Media	Outer Netting/Cage	End Cap	Inner/Outer Wrap
CB-GT	Filled up with granular activated carbon	Polypropylene Hard Cage	Polypropylene	None
CB-B	Bonded porous activated carbon with polypropylene binders	Polyethylene	Polypropylene	Polypropylene
CB-WS	Carbon impregnated fibers protected by upstream and downstream polypropylene string wound fibers	None	None	Polypropylene string wound fibers
CB-RC	Powder activated carbon impregnated polyester	Polyethylene	Polypropylene	None

### Material of Construction

- Outside Diameter: CB-GT: 2.67" (68mm)  
CB-B / CB-WS / CB-RC: 2.56" (65mm)
- Inside Diameter: 1.1" (28mm)
- Length: 10", 20", 30", 40"

## Performance Specifications

### Retention Ratings

- CB-GT: 5 µm
- CB-WS: 5 µm
- CB-B: 5 µm
- CB-RC: 5 µm

### Operating Conditions

- Maximum Operating Temperature:  
CB-GT: 180°F (82°C)  
CB-B: 180°F (82°C)  
CB-WS: 180°F (82°C)  
CB-RC: 180°F (82°C)
- Maximum Flow Rate: 1 GPM per 10" Length
- Recommended Change Out Differential Pressure: 35 psid (2.4 bar)

### FDA Listed Materials

Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

### Notes

1. The drinking water of unknown quality may require proper disinfection or pre-treatment in addition to carbon filtration.
2. CB-B and CB-WS series contain a very small amount of carbon fines. After installation, please flush the cartridge for a minimum of 5 minutes to remove all traces of carbon prior to using them in the process. Use the tap water to flush the cartridge for at least 20 seconds prior to using for drinking water or cooking purposes.
3. Steps should be taken to prevent the filter cartridge from freezing. This may affect cartridge performance.

## Ordering Information

CB-	B	10	P	Customized
Product Name	Filter Type	Cartridge Length	Core Material	End Configuration
CB	GT=Granular Activated Carbon	10", 20", 30", 40"	P=PP	None= DOE (standard) Customized End Cap is workable, Contact with Sales Agents
	B=Carbon Block	10", 20", 30", 40"		
	WS=Carbon Sheet with PP String Wound	10", 20", 30", 40"		
	RC=Carbon Sheet	10", 20"		