

Carbofil™

Activated Carbon Filter Cartridges / Absorber



The Carbofil™ series is the new generation of carbon cartridges produced by the extrusion process. They provide long service life and superior adsorption performance compared to conventional granular activated carbon cartridges together with minimum fines. With a high mechanical strength and low ash content, the carbon block structure prevents channelling, bypassing, fluidizing or unloading of carbon fines.

To prevent premature blocking of the activated carbon layer, the Carbofil™ filters incorporate an effective pre-filtration layer designed to intercept gels and large particles.

Ordering Information

Product Code:					
1: Nominal	2: Pore Rating	3: Version	4: Length (Nominal)	5: End Fitting	6: Seals
CR Carbofil™	05 5µm	N Netted	1 10" (254mm)	A Code 3	A Ethylene Propylene
			2 20" (508mm)	B Code 7	B Silicone
			3 30" (762mm)	C Code 8	C Viton®
			4 40" (1016mm)	F N SOE	D Nitrile
				G G DOE (short)	E FED Encap. Viton®
				H G SOE	G FEP Encap. Silicone
				J 216 (218), fin	J DOE PTFE
				K Code 2	
				L 223, fin (no lugs)	
				M DOE	
				U 224, fin	
				V 226, fin	
				Y BS832, flat	

The Carbofil™ series activated carbon filter cartridges use premium grade coconut shell extruded carbon blocks and can be supplied in any length and end cap configuration, to meet the requirements of the process application.

Typical Applications

- PCB solutions
- Plating and coating solutions
- Industrial water treatment
- Drinking water treatment
- Chlorine and VOC removal
- Tastes, odours and organic pigments
- Chlorinated compounds reduction
- Oils and aromatic compounds removal

Features and Benefits

- Safe handling without any loose powder
- Sanitary installation and removal
- Fits into a variety of standard filter housings
- Rapid and high capacity adsorption of contaminants

Specifications

Materials of Manufacture

Filter media:	PAC impregnated cellulose
Netting:	Polyethylene
Reinforcement backing:	Cellulose polyester
Core:	Polypropylene
Outer support:	Polypropylene
End caps:	Polypropylene

Cartridge Dimensions (Nominal)

Outside diameter:	70mm (2.8")
Inside diameter:	27mm (1.1")
Length:	254mm (10")
	508mm (20")
	762mm (30")
	1016mm (40")

Gaskets and O-Rings

Ethylene Propylene

Operating Temperature

From 40°F (4°C) to 125°F (52°C)

Cartridge Performance

Filter Code	Cartridge Length (mm)	Micron Rating (µm)	Initial Δp (psi) @ flow rate 1lpm	Chlorine Reduction @ flow rate 1lpm
CR05-N1	250mm (10")	5	1.4psi @ 4 lpm	>23,000 litres @ 4 lpm
CR05-N2	508mm (20")	5	1.5psi @ 8 lpm	>46,000 litres @ 8 lpm
CR05-N3	762mm (30")	5	1.5psi @ 15 lpm	>69,000 litres @ 15 lpm
CR05-N4	1016mm (40")	5	1.5psi @ 20 lpm	>92,000 litres @ 20 lpm

Additional Information

The Carbofil™ cartridge contains a very small amount of carbon fines (very fine black powder), a new cartridge after installation should be flushed with sufficient water to remove traces of the fines from your water system before using the water. It is recommended that you run (flush) for at least 20 seconds prior to using water.

Estimated capacity tested at given flow rate using 2ppm free available chlorine at continuous flow to with greater than 90% reduction. Increased flow rates may result in less effective chlorine reduction.

Micron ratings are based on 85% removal of given particle size.

WARNING

For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.