Carbopor CP Series Activated Carbon Filter Cartridges

Activated carbon, a porous substance with strong physical adsorption forces, has the highest volume of adsorbing porosity of any material known to mankind. By carbonisation and activation. Activated carbon can be made from many substances containing high carbon content such as coal, wood, bamboo and coconut shells. Activated carbon filters are widely applied in industrial process and civil use as the most efficient method of removing odours, chlorine, volatile organic compounds (VOC), colours, tastes and other contaminants from fluids.

Carbopor CP Series uses the new generation of carbon cartridges produced by extrusion process, provide long service life and superior adsorption performance compared to conventional granular activated carbon cartridges together with minimum fines. With high mechanical strength and low ash content, the carbon block structure prevents channelling, bypassing, fluidizing or unloading of carbon fines. To prevent premature plugging of the activated carbon layer the carbopor filters incorporate an effective pre-filtration layer designed to intercept gels and large particle.

Carbopor CP 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.

Polymeric and Elastomeric materials meet US FDA Title 21 requirements.

LD filter cartridges are suitable for all Big Blue filter housings.

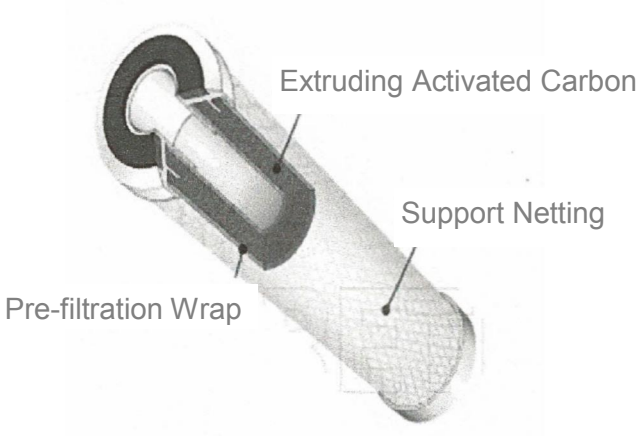
Applications

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

Cartridge Specifications and Performance Data

Ordering Code	Maximum Dimensions	Micron Rating (Nominal)	Initial Δp (psi @ flow rate lpm	Chlorine reduction @ flow rate lpm
Carbor CP-10E	70mm OD x 27mm ID x 250mm 380g	5	1.4 psi @ 4 lpm	>23,000 litres @ 4lpm
Carbor CP-20E	70mm OD x 27mm ID x 508mm 760g	5	1.5 psi @ 8 lpm	>46,000 litres @ 8 lpm
Carbor CP-30E	70mm OD x 27mm ID x 762mm 1140g	5	1.5psi @ 15 lpm	>69,000 litres @ 15 lpm
Carbor CP-40E	70mm OD x 27mm ID x 1016mm 1520g	5	1.5 psi @ 20 lpm	>92,000 litres @ 20 lpm
Carbor CP-10-LD	115mm OD x 27mm ID x 250mm 1200g each	5	1.75 psi @ 8 lpm	>85,000 litres @ 8 lpm
Carbor CP-20-LD	115mm OD x 27mm ID x 508mm 2400g each	5	2.6 psi @ 16 lpm	>155,000 litres @ 16 lpm

Cartridge Weights quoted are approximate and for guidance only



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.

Note: The UKX cartridge will contain a very small amount of carbon fines (very fine black powder) and 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 nun (flush) for at least 20 seconds prior to using water

***Note:** Estimated capacity tested at given flow rate using 2 ppm free available chlorine at continuous flow to with greater than 90% reduction

Note: Increased flow rates may result in less effective chlorine reduction.

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

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UK Office:

Envirogen Water Technologies
Charwell House
Cheddar Business park
Wedmore Road
Somerset, BS27 3Eb
Tel: +44 (0) 1934 741782
E: info@envirogengroup.com
www.envirogenwater.com

Italian Office:

Fluxa Filtri S.p.A
Viale De GASPERI,88/B
20017
Mazzo di Rho
Milano
Tel: +39 (0)2 93959.1
E: info@fluxafiltri.com
www.fluxafiltri.com

USA Office:

Envirogen Technologies
Two Kingwood Place
700 Rockmead Dr. Suite 105
Kingwood, TX 77339
Tel: +1 877.312.8950
E: info@envirogen.com
www.envirogen.com