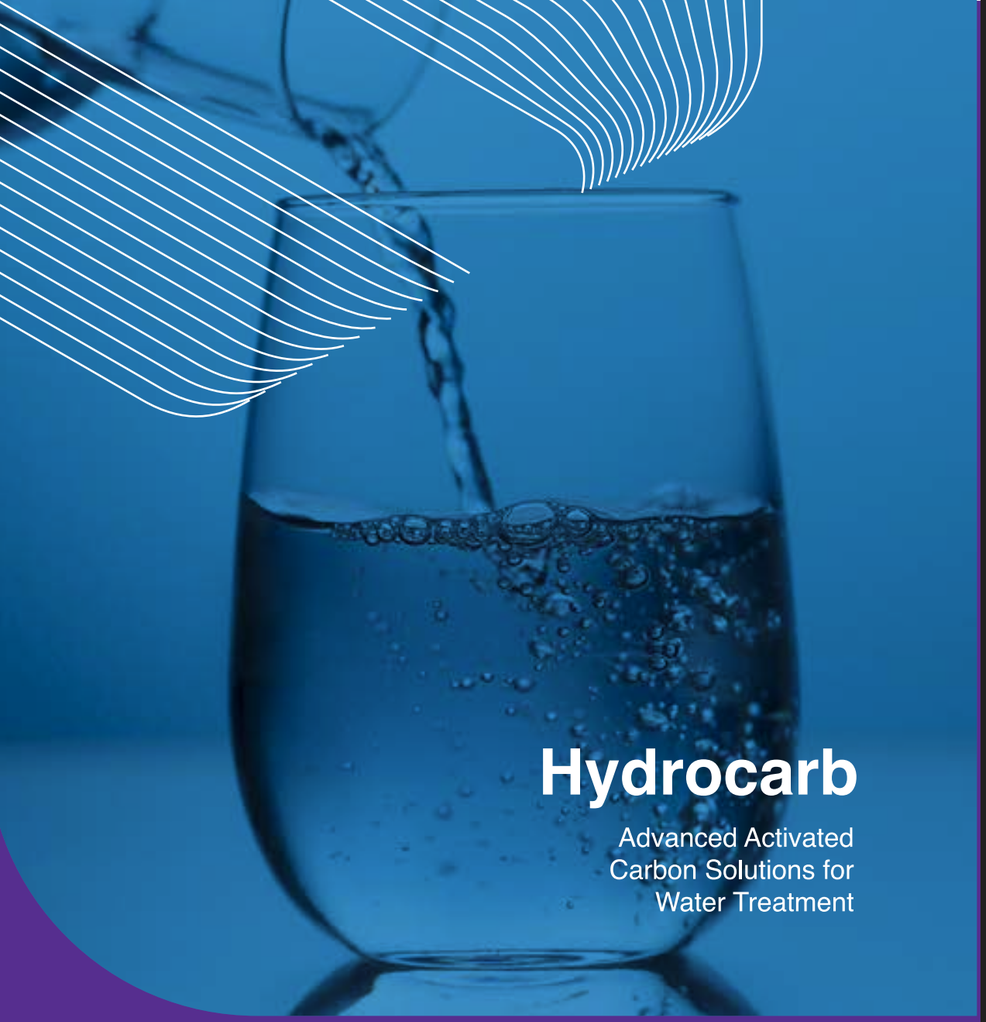

Hydrocarb

Advanced Activated
Carbon Solutions for
Water Treatment

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CG Carbon™

Partner in Purification

Activated carbon, in both powder (PAC) and granular (GAC) forms, is a versatile tool for water purification. However, its effectiveness depends on several critical factors:

Water quality: The type and concentration of contaminants in the water will determine the appropriate carbon type and dosage.

Desired water quality: Different applications (drinking water, industrial processes, wastewater treatment) have varying purity requirements.

Carbon characteristics: The specific properties of the Activated carbon, such as pore size, surface area, and chemical composition, influence its adsorption capacity.

Contact time: The duration of contact between the carbon and water is essential for optimal contaminant removal.

Point of Use (POU) Treatment

Treats water at the specific point where it's used, such as a kitchen sink.

Benefits:

- Targets specific contaminants
- Offers immediate improvement in water quality
- Cost-effective for treating a limited amount of water

Point of Entry (POE) Treatment

Treats water as it enters a building or home, affecting all water outlets.

Benefits:

- Treats all water for domestic consumption
- Improves overall water quality
- Can address a wider range of contaminants

Product Range of Hydrocarb

- Virgin grades
- Water washed & Acid washed grades
- Impregnated grades

Advantages of Hydrocarb

- Low pressure drop
- Unique pore structure
- High surface area
- High adsorption capacity

Activated carbon is a highly effective treatment medium for removing a wide range of contaminants from industrial and municipal wastewater. Originating from the land of coconuts, CG Carbon excels at eliminating unpleasant odours, reducing water colour, and adsorbing harmful substances such as pesticides, detergents, and suspended solids.

Chlorine Removal

Chlorine, a common disinfectant in water treatment, can impart an unpleasant taste and odour to water. Moreover, it can react with organic matter to form disinfection byproducts (DBPs), some of which are carcinogenic. Activated carbon is highly effective in removing residual chlorine from water.

Organic Matter Removal

Organic matter, a complex mixture of natural and synthetic compounds, can cause taste and odour problems, contribute to colour, and interfere with other treatment processes. Activated carbon is a versatile adsorbent for removing a wide range of organic compounds from water.

General Specifications

Iodine Value (mg/g)	900-1200
Surface Area (m^2/g)	950-1250
Apparent Density (kg/m^3)	480-550
Moisture Content (%)	Max 5
Hardness (%)	Min 98
Ash Content (%)	Max 5
pH	6-11

Available Sizes

8x16 USS mesh | 8x30 USS mesh

12x30 USS mesh | 12x40 USS mesh

20x50 USS mesh | 30x60 USS mesh

Virgin / Acid washed / Water washed available

Standard Packaging

25 kg bag (55 lb)

500 kg bulk bag (1100 lb)

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