

CJ 6x12

Coconut Activated Carbon

Description

CJ 6x12 is a specialty impregnated, coconut-based activated carbon. It is intended for the treatment of acid gases. CJ is capable of removing both H₂S and mercaptans. It is manufactured via high-temperature steam activation under rigidly controlled conditions, then impregnated. It can be regenerated for reuse by using superheated steam or inert gas.

Applications

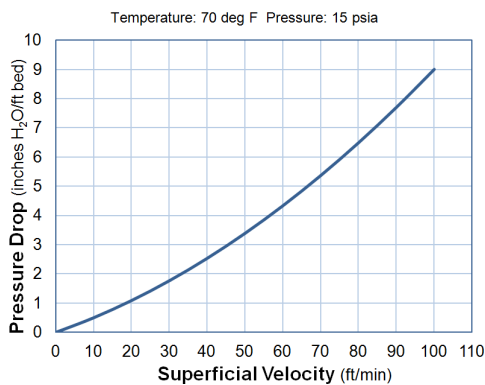
CJ 6x12 applications include methane purification, natural gas, sour gas refining, carbon dioxide purification, odor control, and product purification.

Features and Benefits

- Coconut carbon
- Low ash content
- High mechanical strength
- High hardness relative to other raw materials
- Pore structure provides a wide range of contaminant removal capabilities
- Hardness and abrasion resistance that is required for thermal reactivation or multiple cycles of in situ regeneration

Typical Pressure Drop (6x12 Granular)

Downflow pressure drop through bed of CJ 6x12



Specifications

CJ 6x12

Carbon Tetrachloride, wt%	60 (min)
Copper (as CuO), wt%	5 (min)
Moisture (As Packaged), wt%	5 (max)
Screen Size by Weight, US Sieve Series	
6 US Mesh [3.35mm], wt%	5 (max)
<12 US Mesh [1.70mm] (PAN), wt%	5 (max)
Base Material	Coconut Shell

Typical Properties

Apparent Density (g/cc)	0.48 - 0.58
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Design Considerations

The design of an activated carbon adsorption system is dependent on the adsorbate type, influent concentration, temperature, flow rate, performance objective, relative humidity and other factors. Calgon Carbon can help evaluate the suitability of activated carbon to satisfy specific needs and assist in the design of an adsorption system. In addition to the supply of activated carbon, Calgon Carbon offers adsorption systems and carbon reactivation services to meet particular treatment objectives. Please contact Calgon Carbon Corporation by calling 1-800-4-CARBON for more information.

Regeneration

CJ can be regenerated in-situ by reversing the chemisorption reaction with heat and oxygen. Since regeneration procedures for desulfurizing activated carbons are unique, it is recommended that Calgon Carbon or your system OEM be contacted for additional information on procedures for a specific application.

Packaging

Please contact Calgon Carbon for options and availability.

Safety Message

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable federal and state requirements. Refer to the MSDS for all up to date product safety information.

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