

CJ 6x12

Granular Activated Carbon

Description

CJ 6x12 is a specialty impregnated, coal-based activated carbon. It is intended for 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 using superheated steam or inert gas.

Applications

CJ 6x12 applications include:

- Methane purification
- Natural gas
- Sour gas refining
- Carbon dioxide purification
- Odor Control
- Product Purification

Features

- Metallurgical grade bituminous coal
- Pulverized coal is reagglomerated using suitable binders
- High density
- Uniformly activated granules
- High pore volume
- faster adsorption

Benefits

- A consistent high quality product and a strongly adsorbing pore structure optimal for the adsorption of a broad range of contaminants and concentrations.
- Higher density results in high volume activity and economical vessel design.
- High mechanical strength and uniform transport pore distribution resulting in excellent reactivation performance.
- Increased adsorption capacity due to copper oxide impregnation that normal carbons do not have.
- No residual activation chemicals to interfere with operation.

Specifications

CJ 6x12

Carbon Tetrachloride, weight	60% (min)
Copper (as CuO), weight	5% (min)
Moisture, by weight, as packed	5% (max)
Screen Size by Weight, US Sieve Series	
On 6 mesh (3.35 mm)	5% (max)
Through 12 mesh (2.03 mm)	5% (max)

Typical Properties

CJ 6x12

Apparent Density	0.48 - 0.58 g/cc
------------------	------------------

Design Considerations

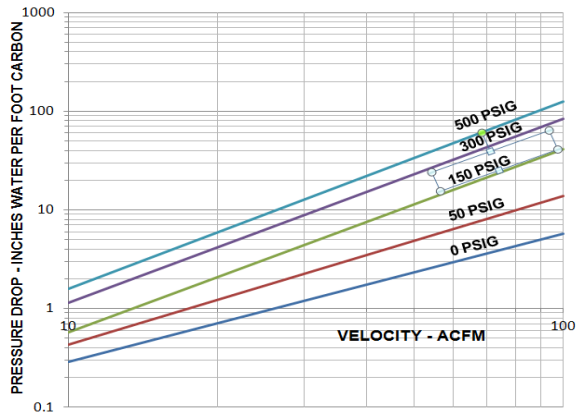
The design of an activated carbon adsorption is dependent on the adsorbate type, influent concentration, temperature, flow rate, performance objective and other factors. Calgon Carbon can help evaluate the suitability of activated carbon to satisfy your specific needs and assist in the design of a system. Besides carbon Calgon Carbon offers adsorption equipment, vessels and other services to meet treatment objectives. For additional information please contact the Inside Sales Representative for your area by calling 1-800-4-CARBON

Regeneration

CJ may be in-situ regenerated via reversing the chemical reaction by applying energy in the form of heat, and oxygen. Since regeneration procedures for desulfurizing activated carbons are unique, it is recommended that Calgon Carbon be contacted for additional information on the regeneration procedures for the specific application. For assistance please contact the Inside Sales Representative for your area by calling 1-800-4-CARBON.

Typical Pressure Drop

Bed of CJ 6x12, natural Gas at 70°F



Packaging

Please contact CalgonCarbon 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. Please refer to the MSDS for all up to date product safety information.

Making Water and Air Safer and Cleaner

www.calgoncarbon.com



Corporate Headquarters

Calgon Carbon Corporation
500 Calgon Carbon Drive
Pittsburgh, PA USA 15205
800.422.7266
412.787.6700
412.787.6713 Fax

www.calgoncarbon.com

European Operations

Chemviron Carbon Corporation
Zoning Industriel C de Feluy
B-7181 Feluy, Belgium
+ 32 (0) 64 51 18 11
+ 32 (0) 64 54 15 91 Fax

Asia Operations

Calgon Carbon Asia Pte Ltd.
9 Temasek Boulevard
#26-02 Suntec Tower Two
Singapore 038989
+65 6221 3500
+65 6221 3554 Fax

Your local representative