

CCC GAC SORB 8x16

Granular Activated Carbon

Description

CCC GAC SORB 8x16 is a granular activated carbon developed by Crystal Clear Carbon for the removal of dissolved organic compounds from water and wastewater as well as industrial and food processing streams. These contaminants include taste and odor compounds, organic color, total organic carbon (TOC), and industrial organic compounds such as TCE and PCE. This activated carbon is made from select grades of coconut shell to produce a high activity, durable, granular product capable of withstanding the abrasion associated with repeated backwashing, hydraulic transport, and reactivation for reuse. Activation is carefully controlled to produce a significant volume of both low and high energy pores for effective adsorption of a broad range of high and low molecular weight organic contaminants. CCC GAC SORB 8x16 is also formulated to comply with all the applicable provisions of the AWWA Standard for Granular Activated Carbon (B604), the stringent extractable metals requirements of ANSI/NSF Standard 61, and the Food Chemicals Codex.

Specifications ¹	CCC GAC SORB 8x16
Iodine Number	900 mg/g (min)
Moisture Content by Weight	5% (max)
Effective Size	1.3 - 1.5 mm
Uniformity Coefficient	1.4 (max)
Abrasion Number	75 (min)
Screen Size by Weight,	US Sieve Series
On 8 mesh	5% (max)
Through 16 mesh	5% (max)
¹ Raj Carbon test method	

Typical Properties*	CCC GAC SORB 8x16
Apparent Density	0.50 g/cc (min)
Water Extractables	<1%
Non-Wettability	<1%

* For general information only, not to be used as purchase specifications.

Features

Crystal Clear Carbon reagglomerated coconut shell-based granular activated carbons have several properties which provide superior performance in a wide range of applications.

Produced from a pulverized blend of high quality resulting in a consistent, high quality product.

The activated carbon granules are uniformly activated through the whole granule, not just the outside. This results in excellent adsorption properties and constant adsorption kinetics in a wide range of applications.

The reagglomerated structure ensures proper wetting while also eliminating floating material.

High mechanical strength relative to other raw materials, thereby reducing the generation of fines during backwashing and hydraulic transport.

Carbon bed segregation is retained after repeated backwashing, ensuring the adsorption profile remains unchanged and therefore maximizing the bed life.

Reagglomerated with a high abrasion resistance, which provides excellent reactivation performance

High density carbon resulting in a greater adsorption capacity per unit volume.

www.crystalclearcarbon.com



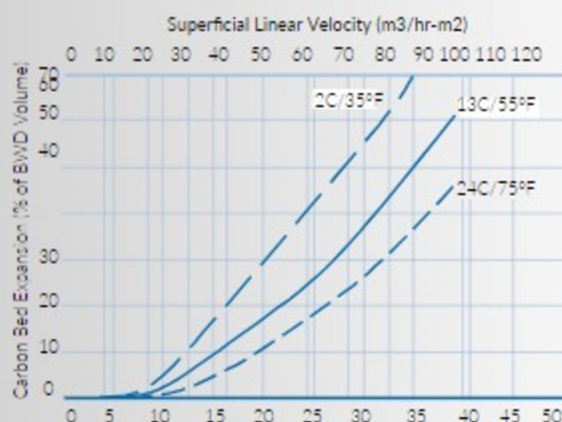
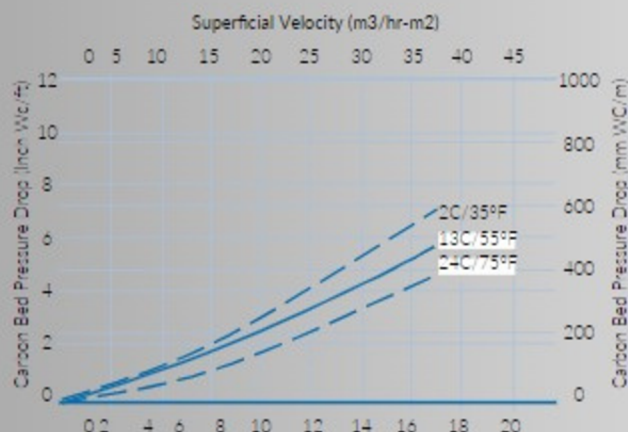
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Applications

CCC GAC SORB 8x16 activated carbon can be used in a variety of liquid phase applications for the removal of dissolved organic compounds.

CCC GAC SORB 8x16 has been successfully applied for over 5 years in applications such as drinking and process water purification, wastewater treatment, and food, pharmaceutical, and industrial purification.

Design Considerations

CCC GAC SORB 8x16 activated carbon is typically applied in down-flow packed-bed operations using either pressure or gravity systems. Design considerations for a treatment system is based on the user's operating conditions, the treatment objectives desired, and the chemical nature of the compound(s) being adsorbed.

Packaging

55 lb. (25 kg) poly bag
1,100 lb. (500 kg) super sack Bulk truck

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.

CCC GAC SORB 8x16 is 100% freshly manufactured virgin granular activated carbon. Recycled granular activated carbon is not used in the production of CCC GAC SORB 8x16

Specification and typical properties are produced using ASTM test Methods in our Lab. The above mentioned information are listed for Product reference purpose only. Sample product & product analysis report will be presented at the time of sales.

CRYSTAL CLEAR CARBON

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