

## CARBSORB™ 30 AND CARBSORB™ 40

### DESCRIPTION

CARBSORB™ 30 and CARBSORB™ 40 are bituminous coal-based granular activated carbons produced by Calgon Carbon Corporation for liquid phase applications. Calgon Carbon Corporation developed CARBSORB™ 30 and CARBSORB™ 40 to be cost-effective granular activated carbons.

### FEATURES

- Adsorption capacity allows for effective removal of organic contaminants, taste, and odor.
- Bituminous coal base produces a product with high hardness ensuring excellent resistance to abrasion.
- Product mesh size allows for limited pressure drop.

### SELECTION

CARBSORB™ 30 and CARBSORB™ 40 are used in the following applications:

- Groundwater Remediation
- Home Water Filtration
- Other Industrial Applications Where Removal of Organics is Required

### DESIGN INFORMATION

Granular activated carbon treatment systems are custom designed according to the nature of the stream to be treated. The following are typical design parameters for CARBSORB™ 30 and CARBSORB™ 40 for organics removal:

- Surface Loading Rate 2-6 gpm/ft<sup>2</sup>
- Backwash bed expansion 20%

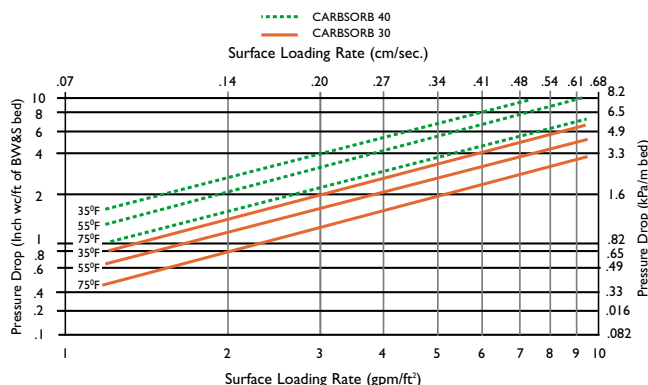
### QUALITY

All of Calgon Carbon Corporation's worldwide production facilities have state-of-the-art quality assurance and screening capabilities assuring the consistency and quality of every CARBSORB™ shipment. The above specifications are guaranteed against representative sampling.

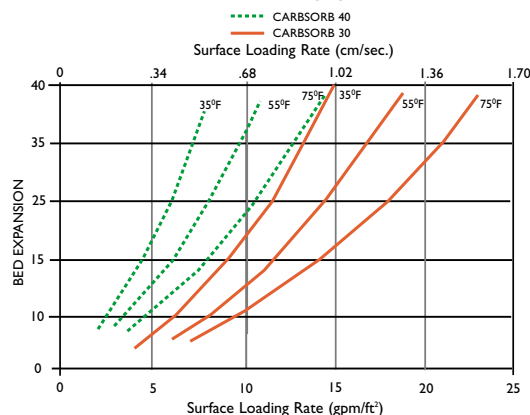
### PROPERTIES

Specifications	CARBSORB 30	CARBSORB 40
Iodine Number (Min.)	900	1000
Moisture, weight %(Max.)	3	3
Hardness No. (Min.)	90	90
Screen Size, U.S. Sieve Series, weight %		
Larger than No. 8 (Max.)	15	—
Smaller than No. 30 (Max.)	4	—
Larger than No. 12 (Max)	—	5
Smaller than No. 40 (Max)	—	4

Typical Downflow Pressure Drop Curves for a Backwashed and Segregated Bed



Typical Bed Expansion for a Backwashed and Segregated Bed



# CARBSORB™ 30 AND CARBSORB™ 40

## 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.

## PACKAGING

- 1 Cubic Foot Poly Bags (~27.5 lbs.)
- 2 Cubic Foot Poly Bags (~55 lbs.)
- 1,100 pound Super Sacks
- Bulk Tanker Trucks

## CALGON CARBON CORPORATION

Calgon Carbon Corporation is a global manufacturer, supplier, and developer of granular activated carbon, innovative treatment systems, value added technologies, and services for optimizing production processes and safely purifying the environment. With over fifty years of experience, facilities around the world, and a world-class team of approximately 1,000 employees, Calgon Carbon Corporation provides solutions to the most difficult purification, separation, recovery and synthesis challenges.

Visit our website at [www.calgoncarbon.com](http://www.calgoncarbon.com)



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