

# Carbsorb® 30 & Carbsorb® 40

## Granular Activated Carbon

### Description

Carbsorb 30 and Carbsorb 40 are cost-effective bituminous coal-based granular activated carbons offered by Calgon Carbon Corporation for liquid phase applications.

### Design Considerations

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%

### Features

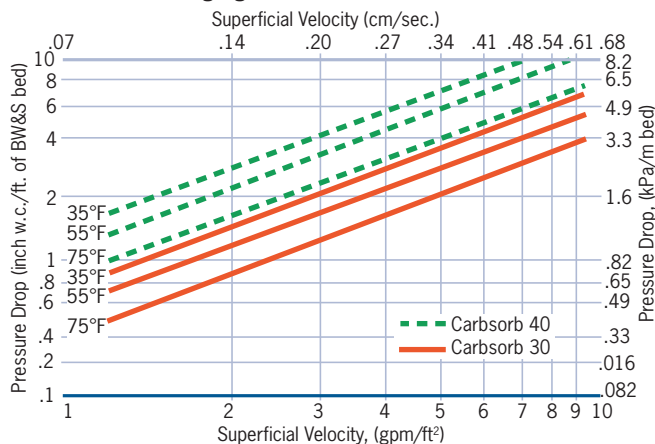
- Adsorption capacity allows for effective removal of organic contaminants, taste, and odor
- Bituminous coal-based carbon has high hardness ensuring excellent resistance to abrasion
- Product mesh size allows for limited pressure drop

### Applications

- Groundwater remediation
- Home water filtration
- Other industrial applications where removal of organics is required

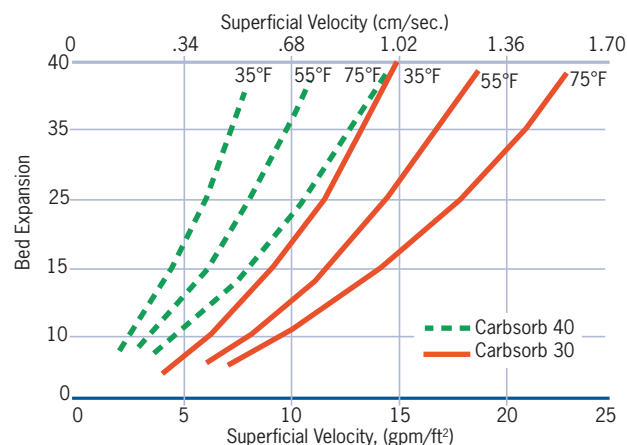
### Typical Downflow Pressure Drop Curve

*Backwashed and Segregated Bed*



### Typical Bed Expansion

*Backwashed and Segregated Bed*



### Specifications

Specifications	Carbsorb 30	Carbsorb 40
Iodine Number	900 mg/g (min)	1,000 mg/g (min)
Moisture, as packed by weight	2% (max)	2% (max)
Hardness Number	90 (min)	90 (min)
Ash by weight	14% (max)	14% (max)
Screen Size by weight, U.S. Sieve Series		
	On 8 mesh 15% (max)	On 12 mesh 5% (max)
	Through 30 mesh 4% (max)	Through 40 mesh 4% (max)

## 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.

## Packaging

55lbs (25kg)  
1100lbs (500kg)  
Bulk tanker truck

[www.calgoncarbon.com](http://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](http://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