

# Product Bulletin

## FILTRASORB<sup>®</sup> 600

### GRANULAR ACTIVATED CARBONS FOR TRACE REMOVAL APPLICATIONS

#### Description

Filtrisorb 600 is a high grade granular activated carbon manufactured by Calgon Carbon Corporation and optimized for superior performance in the removal of trace level organics from water. This carbon is manufactured from superior grades of bituminous coal to maximize the distribution of high energy adsorption pores in the carbon structure. The amount of high energy pores, as measured by the Trace Capacity Number, directly relates to the carbon's ability to adsorb organic contaminants at low concentrations.

As a high grade bituminous coal based product, Filtrisorb 600 possesses the durability required in many water treatment applications and is capable of withstanding the abrasion and dynamics associated with repeated reactivation, hydraulic transport, backwashing and mechanical handling. Filtrisorb 600 is also designed to meet the stringent extractable metals requirements of ANSI/NSF Standard 61.

#### Applications

With its enhanced high energy pore structure, Filtrisorb 600 is ideally suited for trace removal applications and offers a significant performance advantage over traditional activated carbon products used in these types of applications.

Specific applications include:

- ◆ Removal of MTBE
- ◆ Removal of DBCP
- ◆ Removal of THMs
- ◆ Removal of pesticides & herbicides
- ◆ Removal of other organics at concentrations < 1 ppm
- ◆ Potable water treatment
- ◆ Groundwater treatment
- ◆ Ultrapure water treatment

#### Specifications

Iodine Number, mg/g:	850
Trace Capacity Number, mg/cc	16
Abrasion Number	80
Total Ash, weight %	7
Apparent Density, g/cc	0.630
Water Soluble Ash, weight % (Max.)	-

#### U. S. Sieve Series

Percent on 12 mesh	5
Percent through 40 mesh	4

#### Packaging

55 Pound (25 kg) 5 Ply Bag  
Bulk Trucks

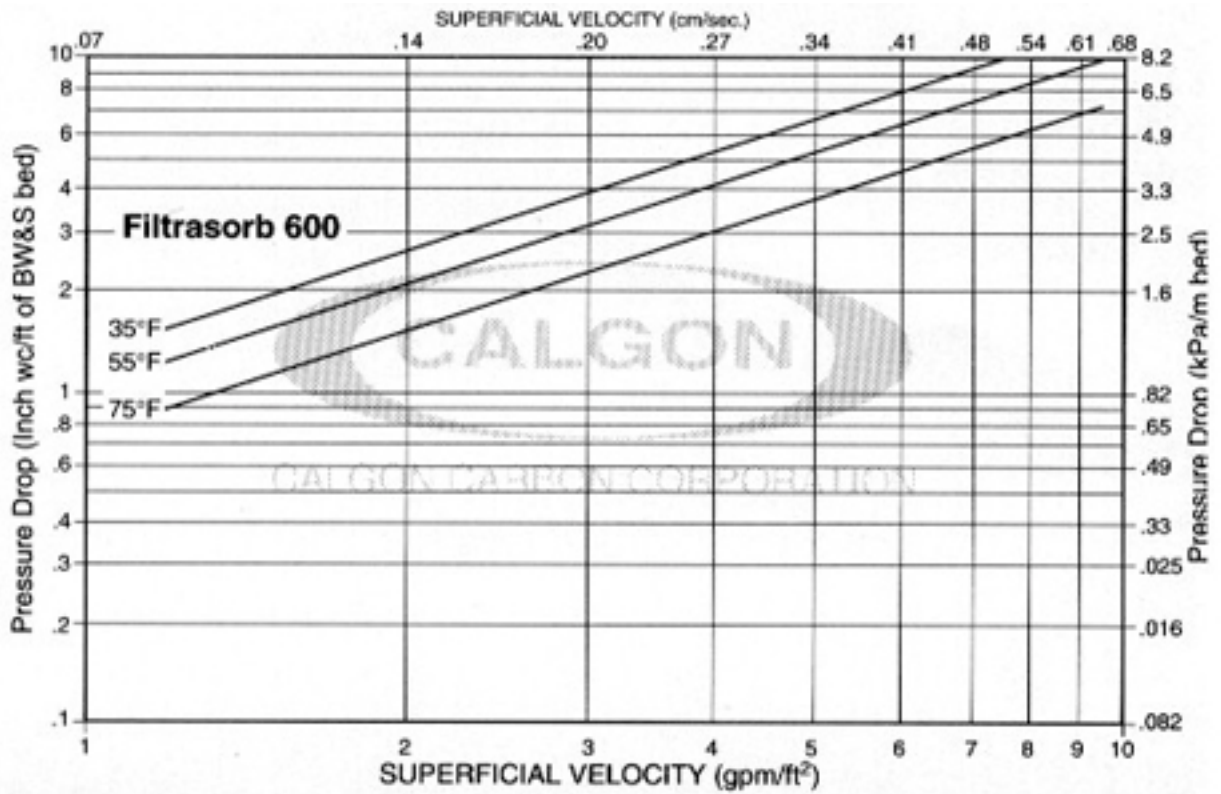
#### Manufacturing

1,000 Pound (454 kg) Super Sack

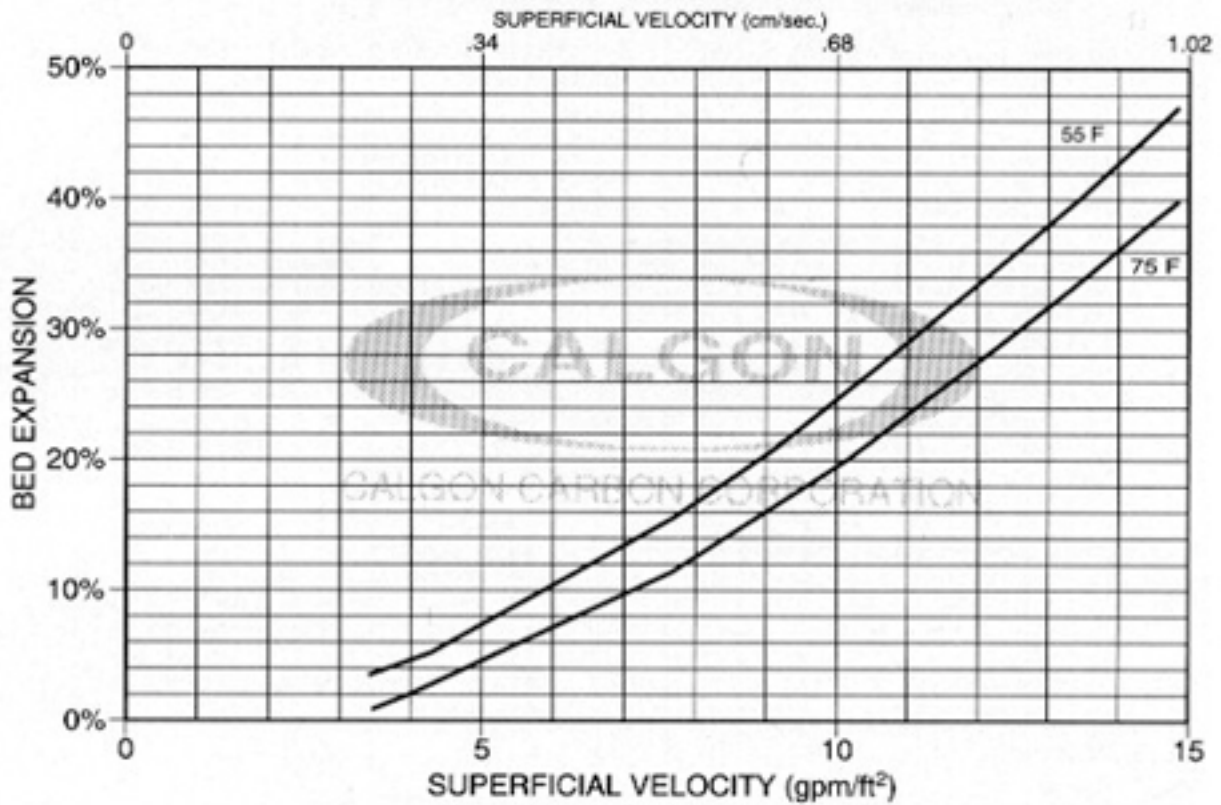


Visit our website at [www.calgoncarbon.com](http://www.calgoncarbon.com), or call 1-800-4-CARBON to learn more about our complete range of products and services, and local contact information.

**Chemviron  
Carbon**



Filtrasorb Downflow Pressure Drop Backwashed & Segregated Bed



Filtrasorb 600 - Bed Expansion Backwashed & Segregated Bed Superficial Velocity (cm/s)



Calgon Carbon Corporation  
 P.O. Box 717  
 Pittsburgh, Pa 15230

Chemviron Carbon  
 Zoning Industriel C  
 B-7181 Feluy, Belgium



## Features

- ◆ Superior trace removal capacity
- ◆ Consistent trace removal capacity
- ◆ Bituminous-based raw materials
- ◆ High density
- ◆ Coal is pulverized and re-agglomerated with a suitable binder

## Benefits

- ◆ Longer bed life between carbon exchanges
- ◆ Reduced down time
- ◆ Reduced operating costs
- ◆ Predictable system performance from one carbon bed to the next
- ◆ Reduces the likelihood of premature breakthrough
- ◆ Rapid wetting, lack of floaters
- ◆ Reduced losses during backwashing
- ◆ Creates optimal transport paths for faster adsorption
- ◆ Generates the hardness and abrasion resistance required for thermal reactivation and minimizes generation of fines in operations requiring backwashing

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## 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.



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