

# FILTRASORB® 600

## GAC for Trace Removal Applications



CALGON CARBON CORPORATION

### Description

FILTRASORB® 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 premium 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, FILTRASORB® 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. FILTRASORB® 600 is formulated to comply with all the applicable provisions of the AWWA Standard for Granular Activated Carbon, edition B604-05, the stringent extractable metals requirements of ANSI/NSF Standard 61, and the Food chemicals Codex.

### Specifications

Specifications	Value
Iodine Number.	850 mg/g (min)
Moisture by weight	2% (max)
Abrasion No.	80 (min)
Trace Capacity Number	16 mg/cc (min)
Screen Size by weight, US Sieve Series	
On 12 mesh	5% (max)
Through 40 mesh	4% (max)

### Typical Property

Typical Property	Value
Apparent Density	0.65 g/cc
Ash by weight	6%

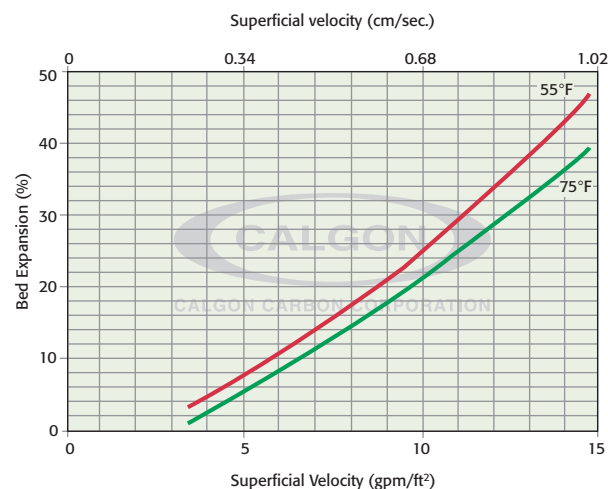
### Features

Superior and consistent trace removal capacity	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.
Bituminous-based raw material	Rapid wetting, lack of floaters.
High density	Reduced losses during backwashing. Generates the hardness and abrasion resistance required for thermal reactivation and minimizes generation of fines in operations requiring backwashing.
Coal is pulverized and reagglomerated with a suitable binder	Creates optimal transport paths for faster adsorption.

### Benefits

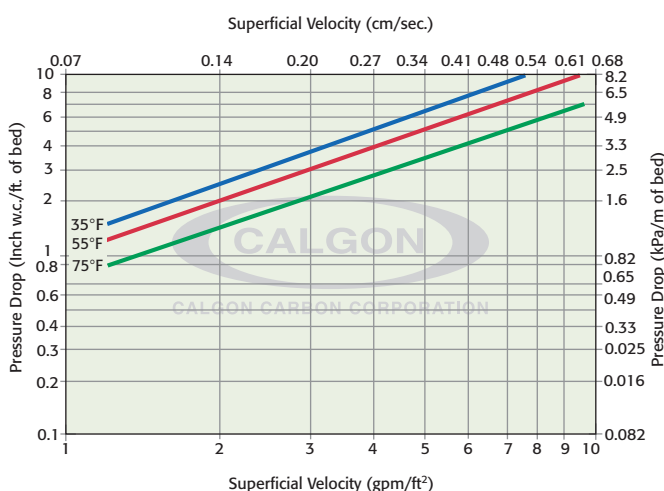
### Bed Expansion

Based on backwashed and segregated bed



### Pressure Drop

Based on backwashed and segregated bed



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### Applications

With its enhanced high energy pore structure, FILTRASORB® 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 and herbicides
- Removal of other organics at concentrations < 1 ppm
- Potable water treatment
- Groundwater treatment
- Ultrapure water treatment

### 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.

### Packaging

55 lb. (25 kg) poly bag

1,000 lb. (453.6 kg) super sack

Bulk trucks



CALGON CARBON CORPORATION

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### Your local representative