


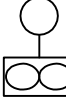



**LEGEND**

-  BALL VALVE
-  PRESSURE GAUGE
-  CHECK VALVE/BACK FLOW PREVENTER
-  POSITIVE DISPLACEMENT FLOW METER WITH TOTALIZER
-  STAINLESS STEEL HIGH-CAPACITY T-STRAINER (50 MESH)
- SP SAMPLE POINT
- GAC GRANULAR ACTIVATED CARBON

**FIGURE 1**  
**CHEMOURS**  
 FAYETTEVILLE, NC  
**GRANULAR ACTIVATED CARBON, FILTRATION SYSTEM, P&ID**

# FILTRASORB® 600

Granular Activated Carbon

## Applications



Groundwater



Surface Water



Bottle & Brewing



Water Processing



Environmental Water



Food & Beverage



Ultra Pure Water



Remediation Water Treatment

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
- PFAS treatment

## Description

FILTRASORB 600 is a granular activated 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 bituminous coal through a process known as reagglomeration 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.

FILTRASORB 600 is formulated to comply with all the applicable provisions of the AWWA Standard for Granular Activated Carbon (B604) and Food Chemicals Codex. This product may also be certified to the requirements of ANSI/NSF Standard 61 for use in municipal water treatment facilities. Only products bearing the

NSF Mark are certified to the NSF/ANSI 61 - Drinking Water System Components - Health Effects standard. Certified Products will bear the NSF Mark on packaging or documentation shipped with

## the product Features / Benefits

- Produced from a pulverized blend of high quality bituminous coals resulting in a consistent, high quality product.
- Carbon granules are uniformly activated through the whole granule, not just the outside, resulting in excellent adsorption properties and constant adsorption kinetics.
- 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.

## Specifications<sup>1</sup>

### FILTRASORB 600

Iodine Number, mg/g	850 (min)
Moisture by Weight	2% (max)
Abrasion Number	80 (min)
Trace Capacity Number, mg/g	16 (min)
Screen Size by Weight, US Sieve Series	
On 12 mesh	5% (max)
Through 40 mesh	4% (max)

<sup>1</sup>Calgon Carbon test method

## Typical Properties\*

### FILTRASORB 600

Apparent Density (tamped)	0.62 g/cc
Water Extractables	<1%
Non-Wettable	<1%

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

## Safety Message

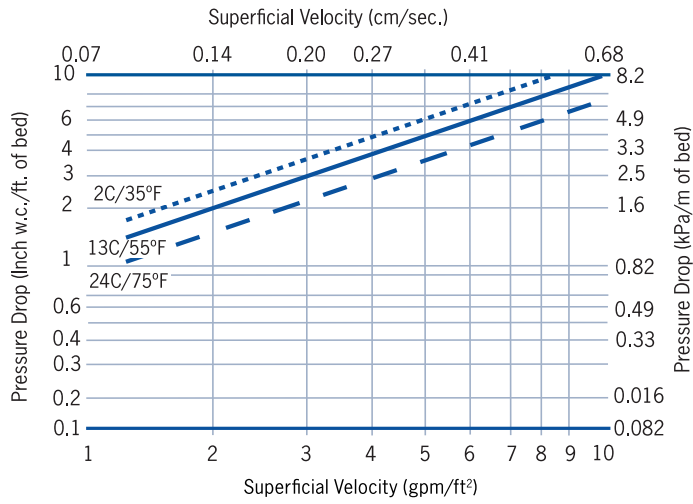
Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.

1.800.4CARBON calgoncarbon.com

© Copyright 2017 Calgon Carbon Corporation, All Rights Reserved  
DS-FILTRA60017-EIN-E1

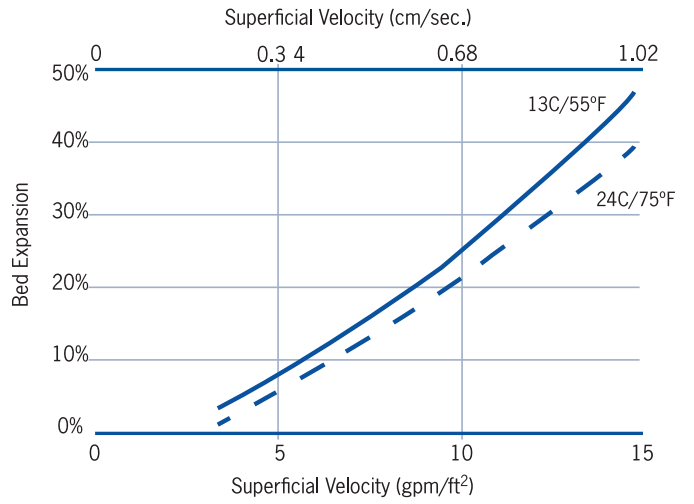
## Typical Pressure Drop

Based on a backwashed and segregated bed



## Typical Bed Expansion During Backwash

Based on a backwashed and segregated bed



### Safety Message

Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.

1.800.4CARBON calgoncarbon.com

© Copyright 2017 Calgon Carbon Corporation, All Rights Reserved  
DS-FILTRA60017-EIN-E1

- ▶ Home
- ▶ About Us
- ▶ Residential Systems
- ▶ Commercial Systems
- ▶ Bulk Carbon
- ▶ Other Products
- ▶ Accessories
- ▶ Related Links

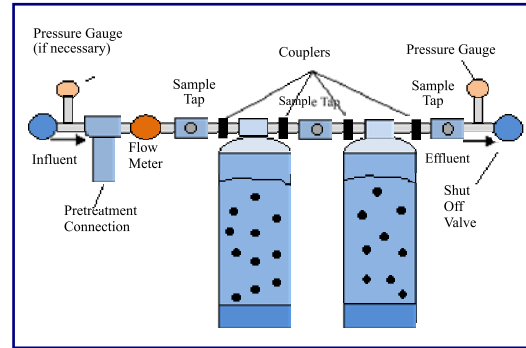
## WHS-200/WHS-400 EPA

[< Return to Product List](#)

### System Features:

- 2 NSF fiberglass pressure rated reinforced vessels.
- Pressure controlled operation from 0–125 psi.
- A pre-filter assembly (50 micron) for the removal of sediment, sand and particulate matter.
- A totalizing meter to monitor gallon usage.
- Sample ports to monitor performance and allow sampling of influent, interim and effluent.
- Adaptable to any type of plumbing configuration.

### Point of Entry Filtration



### System Operation and Contaminant Breakthrough Protection:

The system has no bypass thereby preventing accidental use of contaminated water. The first vessel in the series is the gross removal unit and the second vessel acts as a polishing unit and safety buffer. The system design allows up to 10 gallons per minute of contact time on the filter media and is effective on large concentrations of dangerous organic chemicals. This is more than sufficient to support the needs of an average household.

Testing has shown that the lead vessel is normally depleted at 100,000 gallons, or approximately one year from start up. At this time, the first vessel is removed for regeneration, the second "safety" vessel is placed in the first position, and a vessel of fresh carbon is placed as the secondary vessel. This ensures a safety buffer of 100,000 gallons of usage on the new vessel's fresh carbon. If 100,000 gallons has not been used and break through has not occurred at year's end, a one-tank filter change is still done to prevent any risk of bacterial growth.



### Installation:

- Systems are installed by licensed plumbers in accordance with applicable plumbing codes.
- Systems are generally installed at the well head prior to softeners and conditioning units.
- Always installed upstream of all water taps or other consumer use connections in the residence.
- Quick couplers allow easy change-out of vessels.
- Additional vessels can be utilized for higher gpm.

[Home](#) | [About Us](#) | [Residential Systems](#) | [Commercial Systems](#) | [Bulk Carbon](#) | [Other Products](#) | [Accessories](#)