



CALGON CARBON CORPORATION

PRODUCT BULLETIN

FILTRASORB® 300 & 400

GRANULAR ACTIVATED CARBONS FOR WASTEWATER

DESCRIPTION

Filtrisorb 300 and 400 are two grades of granular activated carbon manufactured by Calgon Carbon Corporation for removal of organic pollutants from municipal or industrial wastewaters. These carbons are manufactured from select grades of bituminous coal to produce a high density, high surface area, durable granular product capable of withstanding the abrasion and dynamics associated with repeated reactivation, hydraulic transport, backwashing and mechanical handling.

APPLICATIONS

- Applying point source treatment to remove organics
- Pre-treatment to biological waste treatment systems
- Polishing effluent from biological waste treatment systems
- Recycling the treated water for replacement of groundwater or for other suitable recycling applications
- Providing total wastewater treatment

REACTIVATION

Numerous installations have demonstrated the feasibility and economy of thermal reactivation.

Exhausted granular carbon can be reactivated on your plant site in a high-temperature furnace, or it can be done by Calgon Carbon Corporation under a service agreement.

PACKAGING

- 55 Pound (25 kg) 5 Ply Bag
- 1,000 Pound (453.7 kg) Super Sack
- Bulk Trucks

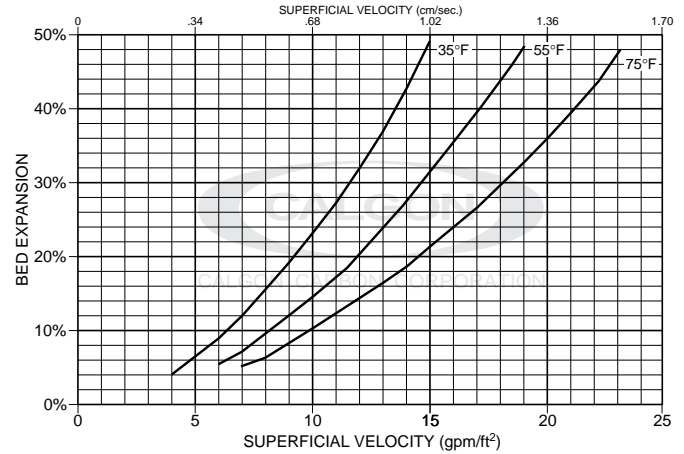
MANUFACTURING

Catlettsburg, KY
 Pearlinton, MS

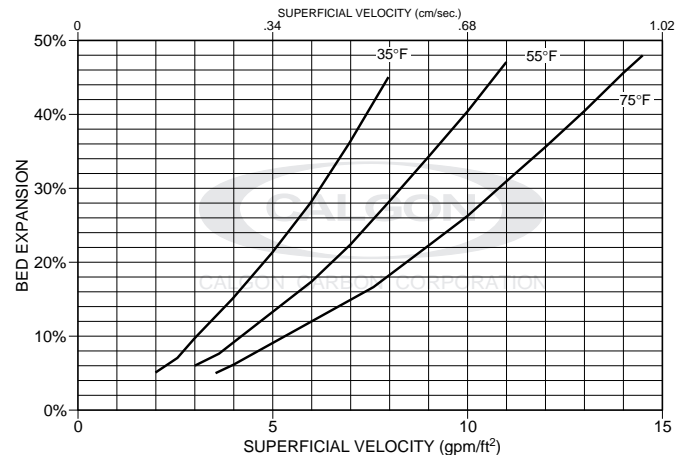
SPECIFICATIONS

| | F300 | F400 |
|---|---------|-----------|
| Iodine Number, mg/g (Min.) | 900 | 1000 |
| Moisture, weight % (Max. %) | 2 | 2 |
| Abrasion Number (Min.) | 75 | 75 |
| Effective Size, mm | 0.8-1.0 | 0.55-0.75 |
| Uniformity Coefficient (Max.) | 2.1 | 1.9 |
| Sieve 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 |

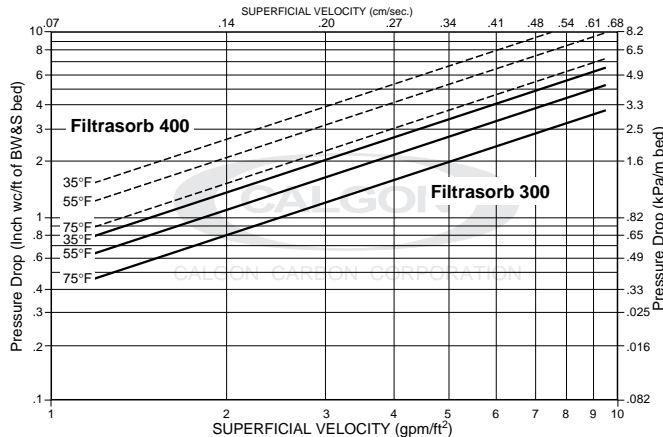
**FILTRASORB 300 - BED EXPANSION
 BACKWASHED & SEGREGATED BED**



**FILTRASORB 400 - BED EXPANSION
 BACKWASHED & SEGREGATED BED**



**FILTRASORB DOWNFLOW PRESSURE DROP
 BACKWASHED & SEGREGATED BED**



FEATURES

- High surface area
- Abrasion resistance
- High density
- Optimum pore size

BENEFITS

- Filtrasorb carbons can be reactivated repeatedly and returned to service to provide maximum economy.
- Systems using Filtrasorb carbons can accommodate changes in flow rates and increases in concentration of pollutants whether caused by spills, peak loads, pretreatment upsets or other variations in the wastewater effluent.
- Because of its high surface area and abrasion resistance, Filtrasorb carbons can be reactivated repeatedly and returned to service to provide maximum economy.
- Filtrasorb carbons are of high density, wet readily, and do not float, thus minimizing loss during backwash operations.
- These carbons are produced with an exceptionally high internal surface area of optimum pore size for adsorption of both high and low molecular weight pollutants.

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.

1-800-4-CARBON

Domestic Sales Offices

Region I

Bridgewater, NJ
Tel (908) 526-4646
Fax (908) 526-2467

Region II

Pittsburgh, PA
Tel (412) 787-6700
1-800-4-CARBON
Fax (412) 787-6676

Region III

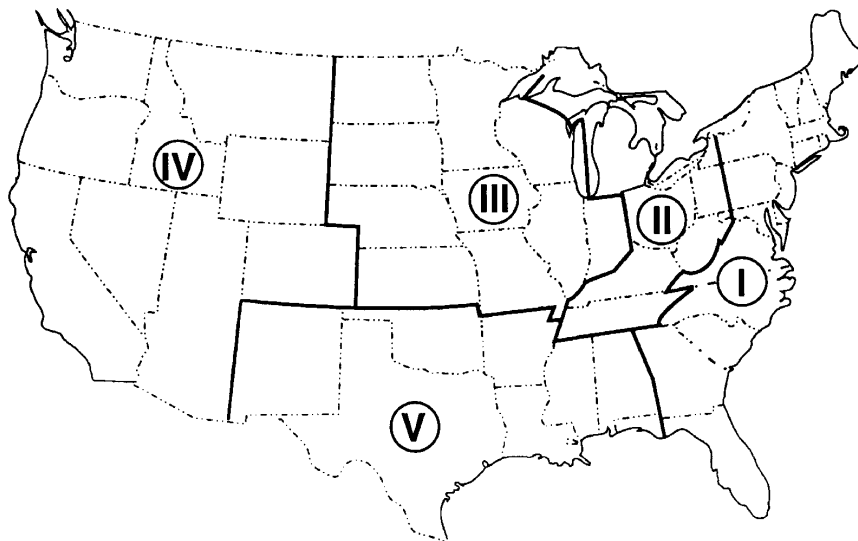
Lisle, IL
Tel (708) 505-1919
Fax (708) 505-1936

Region IV

Burlingame, CA
Tel (415) 548-2040
Fax (415) 344-2029

Region V

Houston, TX
Tel (713) 690-2000
Fax (713) 690-7909



International Sales Offices

Canada

Calgon Carbon Canada, Inc.
Mississauga, Ontario
Tel (905) 673-7137
Fax (905) 673-8883

Latin America/Australasia/ Philippines

Pittsburgh, PA
Tel (412) 787-4519
Fax (412) 787-4523

Singapore/Asia Pacific

Calgon Carbon Corp.
Tel (65) 221-3500
Fax (65) 221-3554

Europe

Chemviron Carbon
B-1200 Brussels, Belgium
Tel 32 2 773 02 11
Fax 32 2 770 93 94

If at any time our products or services do not meet your requirements or expectations, or if you would like to suggest any ideas for improvement, please call us at 1-800-548-1999. From outside the U.S. please call +1-412-787-6700.



CALGON CARBON CORPORATION