

F200 AWD LF 12x40

Acid Washed Activated Carbon

Description

F200 AWD-LF is a granular activated carbon with a low acid soluble iron content that is designed for the purification of potable water for the bottling industry. It can be used efficiently in either fixed or moving beds. The particle size of 12x40 mesh has been selected to give a high rate of adsorption and low resistance to flow. F200 AWD-LF is produced with virtually no fines or dust.

F200 AWD-LF is made from selected grades of bituminous coal combined with suitable binders to give superior hardness and long life. Produced under rigidly controlled conditions by high temperature steam activation, this carbon provides high surface area, large pore volume, high density and a pore structure optimal for the removal of chlorine and other organics from bottled water and water used in the beverage industry.

Applications

One of the most common uses of F200 AWD-LF is purification of potable water for bottling and beverages. Since the carbon has been acid washed, the constituents of F200 AWD-LF will not be leached into the purified water. Furthermore, the high adsorption capacity of F200 AWD-LF in fixed beds permits continuous purification, after which the carbon can be thermally regenerated for repeated use.

Specifications

Iodine Number, mg/g (min)	875-975
Molasses Number (max)	190
Moisture, weight %, as packed (max)	3
Abrasion Number (min)	78
Mean Particle Diameter, mm	1.2 - 1.4
Acid Soluble Iron, weight % (max)	0.01
Acid Soluble Ash, weight % (max)	0.5
Ash, weight % (max)	6
Apparent Density, g/cc	0.52-0.60
Extratable pH	5-8
Screen Size, U. S. Sieve Series, weight %	
On no. 10 mesh (max)	5
Through no. 40 mesh (max)	0.5

Design Considerations

Economy of column operation: The use of highly active Calgon Carbon granular carbons in fixed or moving beds provides the ultimate in countercurrent efficiency and simplicity of operation. The columns, which are sometimes as small as 2 feet in diameter and 8 feet high, eliminate the need for slurry tanks, filter presses, and multiple treatments that were required with powdered carbon.

A properly designed system offers

- A cleaner, continuous operation
- More efficient utilization of the activated carbon - more impurities adsorbed per pound of carbon
- Less equipment - less floor space
- Lower carbon dosage - lower costs
- Improved product quality - chlorine and organics removal

Packaging

55 Pound (25 kg), 3-ply Multi-Wall Paper Bags
1,000 Pound (453.7 kg), Super Sacks
Bulk Truck

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.

Carbon and Process Media

Visit our website at www.calgoncarbon.com, or call 800-422-7266 to learn more about our complete range of products and services, and obtain local contact information.

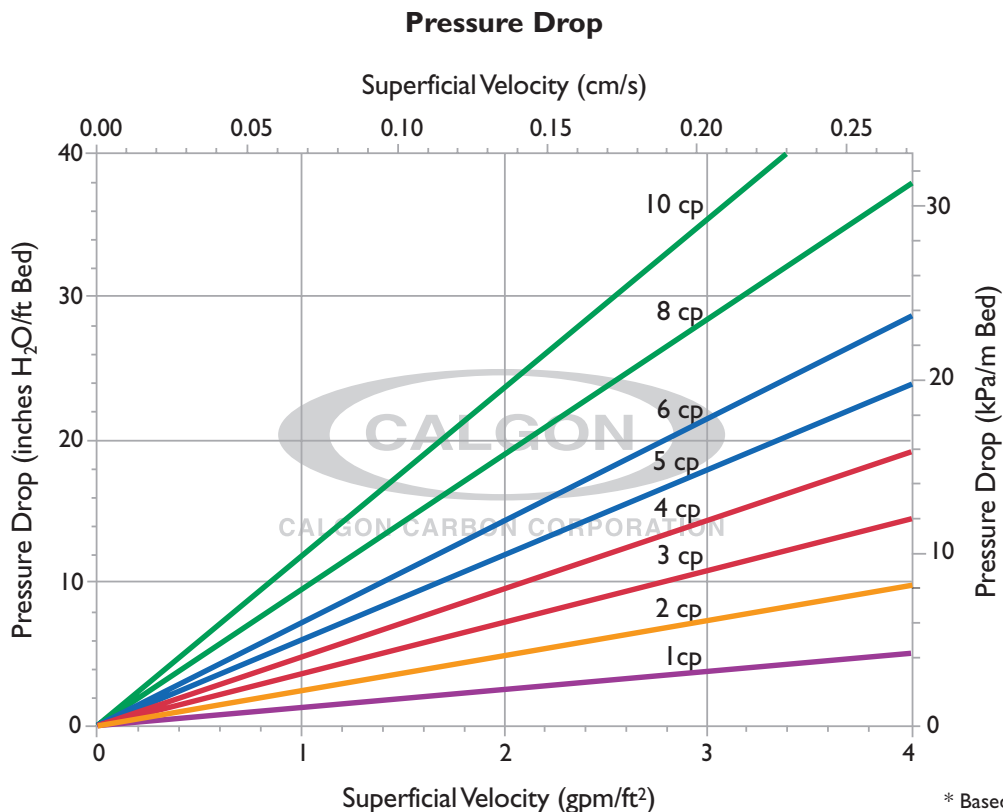
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Responsible Care®
Good Chemistry at Work

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Acid Washed Activated Carbon



Features

Raw Material:

- Metallurgical grade, bituminous coal
- Re-agglomerated with binders and steam activated

Benefits

- Produces a strongly adsorbing pore structure optimal for the adsorption of chlorine and other organics
- Produces a product with high hardness and density, making it suitable for multiple reactivations

Features

Acid Washed Product:

- Acid washed
- Granular product

Benefits

- Reduces iron and ash levels so that product does not leach and the initial pH spike is muted
- Cleaner, more efficient operation than with powdered carbons
- Lowers product cost, improves product quality.
- Requires less equipment to operate than with powdered carbon

Visit our website at www.calgoncarbon.com



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