

OVC 4x8

Coconut Granular Activated Carbon

Applications



Environmental
Air



VOC
Industrial



VOC
Remediation



Odor Control



Landfill Leachate

OVC 4x8 is designed for odor and VOC removal in vapor applications.

Description

OVC 4x8 is a granular activated carbon is designed for odor and VOC removal in vapor applications. It is made from select grades of coconut shell that imparts a hardness that is necessary for the long life expected in many applications. Produced under rigidly controlled conditions by high temperature steam activation, OVC 4x8 carbon exhibits high surface area, fine pore structure, high density and high volume activity. The granular shape results in excellent gas distribution properties and allows the carbon bed to operate at lower pressure drops.

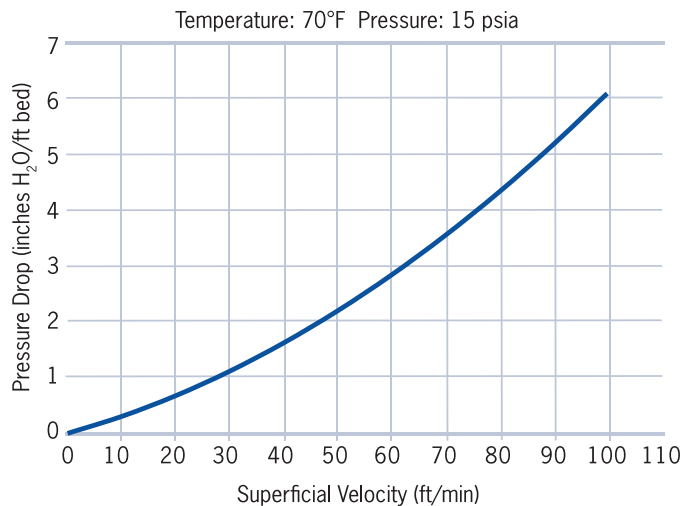
Features / Benefits

- High quality coconut shell-based carbon
- Not chemically impregnated
- Ability to be thermally reactivated
- High hardness
- Capacity for organic compounds is equal to or higher than other virgin vapor phase carbons
- Spent material can be thermally reactivated and reused, thereby eliminating spent carbon disposal problems

Specifications

| Specifications | OVC 4x8 |
|----------------------------------|---------|
| Ash, wt% | 3 max |
| Moisture (As packaged), wt% | 5 max |
| Hardness Number | 97 min |
| Carbon Tetrachloride, wt% | 60 min |
| 4 US Mesh [4.75 mm], wt% | 5 max |
| < 8 US Mesh [2.36 mm] (PAN), wt% | 5 max |

Typical Pressure Drop (4x8 Granular)



Design Considerations

The design of an activated carbon adsorption system is dependent on the adsorbate type, influent concentration, temperature, flow rate, performance objective, relative humidity and other factors. Calgon Carbon can help evaluate the suitability of activated carbon to satisfy specific needs and assist in the design of an adsorption system. In addition to the supply of activated carbon, Calgon Carbon offers adsorption systems and carbon reactivation services to meet particular treatment objectives.

When designing a vapor phase activated carbon adsorption system, Calgon Carbon Corporation recommends using the dense-packed pressure drop for fan sizing since activated carbon will settle during use. The loose-packed pressure drop will probably occur during start-up of the system.

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.

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