

FLUEPAC™-B

Powdered Reactivated Carbon

Description

FLUEPAC™-B is a powdered reactivated carbon produced from bituminous coal specifically for use in flue gas treatment applications. Its surface area and pore volume make it very effective in removing many flue gas contaminants.

Specifications

Iodine No. mg/g (min)	600
Ash, by weight % (max)	20
Moisture, by weight %, as packed (max)	8

Screen Size, US Sieve Series, weight % (min)

Percent through 100 mesh	100
Percent through 325 mesh	90

Added Benefits

Existing combustion or incineration systems can be quickly and inexpensively retrofitted to permit the addition of FLUEPAC™-B powdered activated carbon. Operation is simple, reliable, and cost-effective. Utility requirements are low.

Packaging (Net Weight)

50 pound kraft bag
1,000 pound super sack
Bulk Truck

Applications

Powdered Activated Carbon (PAC) injection is currently recognized as the Best Available Control Technology (BACT) by the EPA for mercury removal in flue gas. FLUEPAC™-B is a specially designed reactivated carbon ideally suited for the cost-effective removal of mercury, dioxins, and furans from flue gas. By injecting FLUEPAC™-B directly into the flue gas stream, many contaminants can be captured. Removal of FLUEPAC™-B is easily accomplished via the use of the existing particulate matter device and can typically be landfilled with the ash as nonhazardous. Although removal efficiencies depend on contaminant concentration, temperature, and available contact time, mercury levels in treated flue gas of 0.5 µg/Nm³ and dioxin levels of 0.01 ng/Nm³ have been demonstrated. Since FLUEPAC™-B is a completely devolatilized bituminous coal-based product, its use results in consistent low-level flue gas emissions over a wide temperature range. Typical bulk density is 25-30 lb./ft³.

Some typical mercury and dioxin control applications for FLUEPAC™-B include:

- Municipal Waste Combustors
- Hazardous Waste Combustors
- Hospital Waste Incinerators
- Coal-fired Power Plants
- Cement Kilns
- Industrial Boilers

Features

- Large number of high energy adsorption pores
- Good transport pore structure
- Completely devolatilized bituminous coal-based material

Benefits

- High adsorption capacity for many pollutants
- Effluent mercury levels can be reduced by over 95 percent
- Rapid adsorption kinetics lead to low required contact times
- Product has a high ignition temperature which permits use over a wide temperature range. Safe bulk storage

FLUEPAC™-B powdered reactivated carbon is not to be used in potable or food grade applications.

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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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.

Limitations of Liability

The Supplier's liability and the Purchaser's exclusive remedy for any cause of action arising out of this transaction, including, but not limited to, breach of warranty, negligence and/or indemnification, is expressly limited to a maximum of the purchase price of spare parts or equipment sold hereunder. All claims of whatsoever nature shall be deemed waived unless made in writing within forty-five (45) days of the occurrence giving rise to the claim. In no event shall the Supplier, for any reason or pursuant to any provision of the warranty, be liable for incidental or consequential damages or damages in excess of the purchase price, nor shall the Supplier be liable for loss of profits or fines imposed by governmental agencies.

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Visit our website at www.calgoncarbon.com



CALGON CARBON CORPORATION
Calgon Carbon Corporation
P.O. Box 717
Pittsburgh, PA USA 15230-0717
1-800-422-7266
Tel: 412-787-6700
Fx: 412-787-6713

**Chemviron
Carbon**

European Operations of Calgon
Carbon Corporation
Zoning Industriel C de Feluy
B-7181 Feluy, Belgium
Tel: + 32 (0) 64 51 18 11
Fx: + 32 (0) 64 54 15 91

Your local office

CPM-PB1059-0304

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