AddSorb® Sulfox

non-impregnated coal based activated carbon

Features and Benefits

- High Hydrogen Sulphide capacity
- Acid gas removal
- Exceptional hardness and strength
- Rigorously dedusted
- Maximum Hydrogen Sulphide loading capacity
- Proven adsorbent - total reliability
- Minimal product degradation giving low pressure drop
- Clean handling at adsorber loading and commissioning

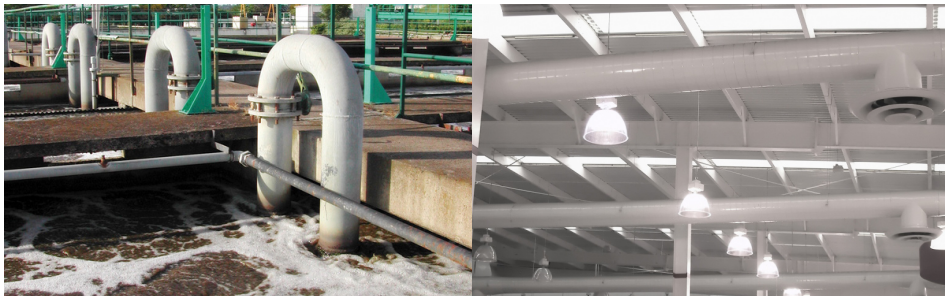
Typical Applications

- Odor control
- General VOC emission control

Available Pellet Diameters

- 1.5 mm diameter
- 2.0 mm diameter
- 3.0 mm diameter
- 4.0 mm diameter
- 5.0 mm diameter

AddSorb® Sulfox is a vapor phase virgin pelletized activated carbon that has been specially developed for the adsorption of hydrogen sulfide and methyl mercaptans. It is extremely well suited for use in sewage treatment plants and pumping stations where these compounds are typically found. The base material for Sulfox is bituminous coal. Sulfox is produced in a specialized process that creates an exceptionally high hydrogen sulfide capacity. This capacity is created without the use of chemical impregnants. Sulfox is ideally suited for the removal of Hydrogen Sulphide from gas streams containing an equivalent level of oxygen and water vapor. Excess water vapor will result in the condensation of water in the pore structure of the activated carbon thereby reducting the activated carbon's Hydrogen Sulphide capacity. Air flow through a bed of Sulfox should not exceed 100 fpm and bed depths should be between one (1) to three (3) feet.



Municipalities reply upon AddSorb® Sulfox carbon for the efficient and economical control of Hydrogen Sulphide in vapor streams.

Specification

Hydrogen Sulphide Capacity	min. 0.15 g/cc
Butane activity, weight	min. 21.4%
Moisture content, weight	max. 4%
Apparent density	min. 0.43 g/cc
Ball-pan hardness	min. 95%
Pellet diameter	3.7 - 4.3 mm

Standard Packaging

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)

The polyethylene valve bag from Jacobi sets the standard in the industry for clean, durable and safe handing.

*Hydrogen Sulphide capacity is measured using ASTM standard method D6646-01. Testing requires passing a moist air stream containing 1% by volume Hydrogen Sulphide through an appropriately sized column (per ASTM requirements) packed with activated carbon and monitoring to a 50 ppmv Hydrogen Sulphide breakthrough. Results are reported as grams of Hydrogen Sulphide adsorbed per cc of activated carbon.

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Polyethylene valve bags of 25 kg (55 lb) net weight on 500 kg (1100 lb) pallets

Polypropylene liner-free FIBCs (super sacks) of 500 kg (1100 lb) net weight

CAUTION Activated carbon is a strong oxidizing agent and can remove oxygen from air under wet or humid conditions. Care should be taken when entering confined spaces where wet activated carbon is present. Ensure the use of correct breathing apparatus. Material Safety Data Sheets should be consulted for further details on procedures in the event of contact with activated carbon.

NOTICE Due to the progressive nature of Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

ISO 9001
BUREAU VERITAS
Certification

WORLDWIDE DISTRIBUTORS A diverse network of agents, strategically located around the world. Please contact any Jacobi Carbons office to locate your nearest distributor.