



Basic principle of sulfur removal with activated carbon:

1. Remove H₂S in the gas

A small amount of H₂S and O₂ in the gas react under the catalysis of activated carbon surface.

Reaction of H₂O was taken away by a lot of air flow, the elemental sulfur by adsorption on the surface of the activated carbon pore, completed the removal of H₂S.

2. Remove organic sulfur from the gas

COS accounts for more than 95 percent of all organic sulfur. Under the catalysis of activated carbon at normal temperature, COS can hydrolyze with gaseous water in the gas and hydrolyze into H₂S and CO₂. Then adsorbed and removed by activated carbon.

Notes:

1. In the gas source requiring desulfurization, if the oxygen content is less than 2 times of the sulfide content or there is no oxygen, the oxygen shall be supplemented to the required index or other desulfurization agents and desulfurization methods shall be modified.
- 2, in the operation of removing sulfide, activated carbon shall be liquid or wet entrainment. Because a lot of wet water, the porosity of the activated carbon is filled with water, gas lost can't spread to the surface of activated carbon desulfurization effect.
- 3, For desulfurizing gases excluding NH₃ +, that is no alkaline gas composition, please note that should use alkali impregnated activated carbon
4. During the period of transportation and storage, it shall be strictly protected from rain and humidity, and shall be kept cool and dry.
- 5, In the process of production application, beware of tar class material into the active carbon layer, due to the surface of activated carbon by tar after class material closed surface and pore, the desulfurization activity and the failure will be lost.

Packaging Standard

packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated on request.

Bulk Bag Sacks Net. 500 Kg Net. 25 Kg

Warranty Disclaimer

Please confirm the specification of any particular grade with your representative prior to purchase. The user is responsible for ensuring that the product is correctly specified prior to purchase and Haycarb makes no express warranty as to suitability for specific application.

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Activated carbon solutions

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