



Clearing the Air

Acid gas removal with Haycarb activated carbon products

Acid gases are produced in a variety of chemical processes, and need to be removed from the exhaust air stream before it is vented in to the atmosphere.

Examples of applications vary from high-tech industrial or military control centers, where airborne contaminants could damage sensitive electronic circuits, to museums and archives where stored material, often of great or incalculable value, must be protected from destructive acidic agents.

More fundamentally, clean air is vital to human and animal health. By cleaning up the pollutions we ensure a better life for ourselves as well as for generations to come.

Haycarb products are used in:

- Hydrogen sulfide removal
- Sewage air treatment
- Control room applications
- Libraries and museums

The features that distinguish our range of carbon products are its ability to deliver consistently high performance and durability in the circuit.

Hydrogen Sulfide Removal

Gases produced during the synthesis of products originating or made from raw materials containing sulfur will contain hydrogen sulfide (H_2S) in various concentrations. Due to its high toxicity, corrosiveness, and other environmental effects, all traces of H_2S have to be removed.

Haycarb's product range for this application provides superior capacity and consistent performance from batch to batch and over the lifecycle of the carbon.

Sewage Air Treatment

Activated carbon has been used for years to remove hydrogen sulfide (H_2S) and mercaptans (RSH) in sewage gas treatment. Haycarb, together with the industry, has developed modified carbon products to boost loading capacity and reduce risk of bed fires.



Control Room Air Purification

Our range of activated-carbon products for this application comes in both granular and extruded form. They are extensively used in treating inlet air control rooms and other enclosed areas in industries where there is potential contamination of the air by corrosive gasses such as hydrogen sulfide and sulfur dioxide, which can affect sensitive electronic equipment and also pose a health hazard to workers.

Technical Information

Parameter	Typical Values
Moisture Content ASTM D2867	8% (w/w) max
Hardness No ASTM D3802	98% min
Apparent Density ASTM D2854	0.5g/cc typical

Product range consists of impregnated carbons for enhance performance. We provide custom designed products for specific customer applications within the general range.

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
Net. 500 Kg

Sacks
Net. 25 Kg

Product Testing Services

Haycarb's Research & Development laboratories in Sri Lanka and its overseas subsidiaries are equipped to perform all the standard testing required for Activated Carbons together with any other specialized product or application related testing requirements.

Libraries & Museums

Haycarb provides a tried and tested range of products for this application, in which primary contaminants such as formaldehyde and acid gases (H₂S & SO₂) are removed from the air stream. Due to the sensitivity of this application, Haycarb's proven trustworthy carbon product range is preferred by customers throughout the world.

We will recommend the most suitable grades to use,

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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