

SAAFCarb™ MB

ENGINEERED CHEMICAL MEDIA

- Specifically impregnated media
- Provides effective removal of ammonia gas

Engineered Media

SAAFCarb MB engineered gas removal chemical media is designed to efficiently remove specific gaseous contaminants from airstreams. The main target contaminant is ammonia.

SAAFCarb MB media contains an acid impregnant to enhance the capacity for removal of ammonia and other basic gaseous compounds. The base material includes select grades of bituminous coal chosen for superior physical properties.

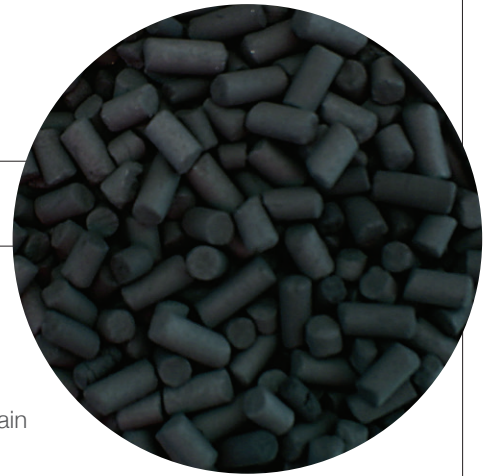
Chemisorptive Process

The SAAFCarb MB media chemisorptive process removes the impure gases by adsorption, absorption, and chemical reaction. In this process, the gas is trapped within the pellet, where a chemical reaction changes the gases into harmless solids and thereby mitigates the possibility of desorption.

Quality Control

SAAFCarb MB media undergoes the following quality control tests:

- Apparent Density
- Ball-pan Hardness
- Moisture Content
- Pellet Diameter



SAAFCarb™ MB Media

Typical Properties

Apparent density:	510 kg/m ³ acc. ASTM D2854
Carbon description:	Impregnated
Carbon raw material:	Coal
CTC (base carbon):	>65 wt % min
Hardness:	95% minimum
Nominal diameter:	3 mm
Shape:	Cylindrical pellet

Disclaimer: Typical properties are produced using AAF and industry standard test methods. They are listed for informational purposes only and are not to be used as purchase specifications. Certificates of analysis are available for specific batches upon request.

Packaging Options and Application Guidelines

Packaging Options

SAAFCarb MB media is packaged in containers of 25 kg and big bags of 500 kg.

SAAFCarb MB media is also available packaged in SAAF cartridges, cassettes, and trays.

Application Guidelines

SAAFCarb MB media performs under the following application guidelines (actual capacities and efficiencies may vary):

- Temperature: -20° to 50 °C
- Humidity: 10%–95% RH
- Airflow: From 40 m³/h to over 170.000 m³/h
- Velocity: From 0,30 to 2,5 m/s

Installation and Disposal Requirements

Installation

The installers must use dust masks, safety goggles, and rubber gloves.

Disposal

The spent SAAFCarb MB media must be disposed of according to local and federal guidelines. MSDS included in each shipment.

Safety

Wet activated carbon adsorbs atmospheric oxygen, causing low oxygen supply in enclosed areas or packed containers. This can be potentially hazardous for workers who enter these oxygen-depleted areas. Make sure that workers adhere to the provincial and state safety guidelines.



AAF International
European Headquarters
Robert-Bosch-Straße 30-32, 64625 Bensheim
Tel: +49 6251 80368 – 0, Fax: +49 6251 80368 – 20
aafintl.com

AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

©2017 AAF International
and its affiliated companies.

ISO Certified Firm GPF_709_EN_052017