

# 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.

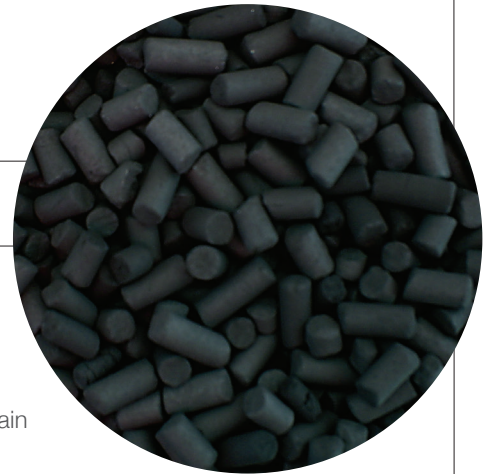
### Chemisorptive Process

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

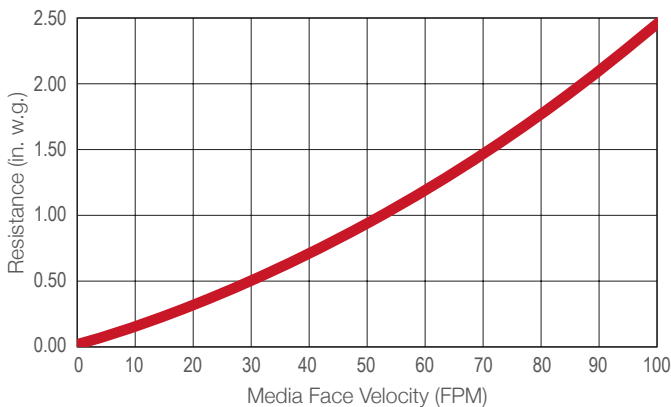
## Typical Properties

Apparent density:	0.6 g/cc (~37 lb/ft <sup>3</sup> ) ± 15%
Carbon description:	Impregnated
Carbon raw material:	Coal
CTC (base carbon):	60 wt % min
Hardness:	95% minimum
Nominal diameter:	4 mm
Shape:	Cylindrical pellet

*Disclaimer: Typical properties are produced using AAF Flanders 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.*

## Performance Data

Resistance vs. Media Face Velocity



## Packaging Options and Application Guidelines

### Packaging Options

SAAFCarb MB media is packaged in one cubic foot containers and 1,100 lb. (499 kg) super sacks.

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: -4° to 125°F (-20° to 51°C)
- Humidity: 10% – 95% RH
- Suitable for use in commercial and industrial systems with equipment face velocities from 50 to 500 FPM (0.25 – 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, state, and federal guidelines.

### 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.

