

SAAFCarb™ MA.HT

ENGINEERED CHEMICAL MEDIA



- Ideal for H₂S removal
- Provides extended equipment protection with infrequent media changeovers
- Compatible for use in all carbon-based air filtration systems
- Low pressure drop and high adsorptive capacity

Engineered Media

SAAFCarb MA.HT engineered gas removal chemical media is designed to have a high capacity for H₂S and to efficiently remove multiple gaseous contaminants from airstreams. Target contaminants include:

- Hydrogen sulfide
- Chlorine
- Nitrogen dioxide
- Sulfur dioxide

SAAFCarb MA.HT is a high capacity chemical media targeted for H₂S removal. The media is composed of carbon and other proprietary ingredients specifically engineered to enhance H₂S capacity and to mitigate safety concerns associated with the use of metal oxide impregnated activated carbons, making this media safe before and during use. SAAFCarb MA.HT is the most cost-effective choice for removal of H₂S from an airstream.

Chemisorptive Process

SAAFCarb MA.HT media removes impure gases by adsorption, absorption, and chemical reaction. In the process, the reactive gases are trapped within the pellet, where a chemical reaction changes the gases into harmless solids and thereby mitigates the possibility of desorption.

Quality Control

SAAFCarb MA.HT media undergoes the following quality control tests:

- Apparent Density
- Ball-pan Hardness
- H₂S Gas Capacity
- Moisture Content
- Pellet Diameter

SAAFCarb™ MA.HT Media

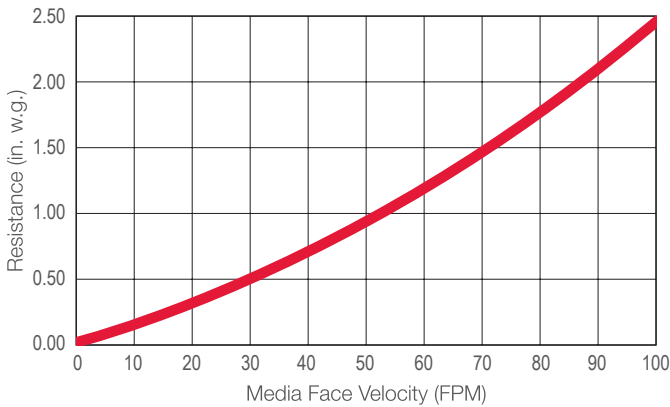
Typical Properties

Apparent density:	0.42 g/cc (~26 lb/ft ³) ± 10%
Carbon description:	Non-impregnated
H ₂ S gas capacity:	0.28g H ₂ S/cc media ± 10%
Hardness:	95% min
Nominal diameter:	4 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.

Performance Data

Resistance vs. Media Face Velocity



Packaging Options and Application Guidelines

Packaging Options

SAAFCarb MA.HT media is packaged in one cubic foot containers and 992 lb. (450 kg) super sacks.

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

Application Guidelines

SAAFCarb MA.HT 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 MA.HT 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.

