



*Better Air is Our Business®*

## **AmericanAirFilter® SAAFCarb™ Media**

- *Non-toxic*
- *Quick and easy media changeovers*
- *Resists a wide range of impure gases*
- *Low pressure drop and high adsorptive capacity*
- *UL Classified*

### **Engineered Media**

SAAFCarb engineered gas removal chemical media is designed to efficiently remove gaseous contaminants from airstreams.

Target contaminants include:

- Chlorine
- Nitrogen dioxide
- Volatile organic compounds (VOC)

The SAAFCarb media is a pelletized activated carbon media that removes toxic and impure contaminants from the atmosphere. The activated carbon is produced using select grades of bituminous coal and steam activated for optimum adsorption capacity.



### **Adsorptive Process**

The SAAFCarb media removes toxic and impure gases by adsorption. In this process, the gases remain on the surface of the pellet.

### **Quality Control**

SAAFCarb media undergoes the following quality control tests:

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

# AmericanAirFilter<sup>®</sup>

## SAAFCarb<sup>™</sup> Media

### Typical Properties

|                      |  |
|----------------------|--|
| Apparent density:    | 0.5 g/cc $\pm$ 10%                                 |
| Carbon description:  | Virgin   |
| Carbon raw material: | Coal   |
| CTC:                 | 60 wt % min  |
| Hardness:            | 95% minimum  |
| Nominal diameter:    | 4 mm<br>(3 mm media are available in some regions) |
| Shape:               | Cylindrical pellet                                 |

*Disclaimer: Typical properties are produced using AAF and industry standard test methods. They are listed for informational purposes only and not to be used as purchase specifications. Certificates of analysis are available for specific batches upon request. Please contact your local AAF sales representative for more information.*

### Packaging Options and Application Guidelines

#### Packaging Options

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

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

#### Application Guidelines

SAAFCarb 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).

Refer to appropriate AAF documentation for additional information on contaminant gases.

### Installation and Disposal Requirements

#### Installation

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

#### Disposal

The spent SAAFCarb 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 the workers adhere to the provincial and state safety guidelines.



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

ISO Certified Firm