

# SAAFCarb™

## ENGINEERED CHEMICAL MEDIA



- Quick and easy media changeovers
- Resists a wide range of impure gases
- Low pressure drop and high adsorptive capacity

### 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 (VOCs)

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

SAAFCarb media removes toxic and impure gases primarily by adsorption. In this process, the gases are held in the pellet pore volume by van der Waals' forces, as well as other forces.

### Quality Control

SAAFCarb media undergoes the following quality control tests:

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

# SAAFCarb™ Media

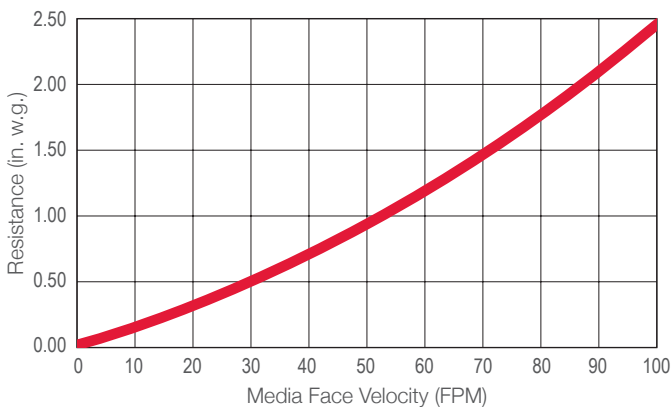
## Typical Properties

Apparent density:	0.5 g/cc (~31 lb/ft <sup>3</sup> ) ± 10%
Carbon description:	Virgin
Carbon raw material:	Coal
CTC:	60 wt % min
Hardness:	95% minimum
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 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).

## 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 workers adhere to the provincial and state safety guidelines.

