



Better Air is Our Business®

AmericanAirFilter® **SAAFCarb™ MC Media**

- *Provides targeted chlorine removal*
- *Compatible for use in all carbon-based air filtration systems*
- *Low pressure drop and high adsorptive capacity*
- *UL Classified Class 1*

Engineered Media

SAAFCarb MC engineered gas removal chemical media is designed to efficiently remove specific gaseous contaminants from airstreams. Target contaminants include:

- Chlorine
- Volatile organic compounds (VOC)

The SAAFCarb MC engineered media is a specially impregnated activated carbon specific for the removal of chlorine. The base material includes select grades of bituminous coal chosen for superior physical properties.



Chemisorptive Process

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

Quality Control

SAAFCarb MC media undergoes the following quality control tests:

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

AmericanAirFilter[®]

SAAFCarb[™] MC Media

Typical Properties

Apparent density:	0.6 g/cc \pm 15%
Carbon description:	Impregnated
Cl ₂ gas capacity:	0.04 g Cl ₂ / cc Carbon \pm 10%
CTC (base carbon):	60 wt% min
Hardness:	95% min
Nominal pellet diameter:	4 mm (3 mm 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 MC media is packaged in one cubic foot containers, and 1,100 lb. (499 kg) super sacks.

Application Guidelines

SAAFCarb MC 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