

SAAFCarb™

Activated carbon gas removal media

- *Non-toxic*
- *Effective for a wide range of hydrocarbons*
- *Easy disposal, fully incinerable*



Activated Carbon

Gas Removal Media is designed to efficiently remove upto 99.5% of gaseous contaminants from airstreams. Target contaminants include:

- **Nitrogen dioxide (NO₂)**
- **Hydrocarbons (VOC's)**
- **Chlorine (Cl₂)**
- **Ozone (O₃)**

Manufactured of pelletized activated carbon, SAAFCarb™ media is composed of high quality virgin substrates in order to provide

optimum adsorption for various gaseous contaminants.

Adsorptive Process

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

Quality Control

SAAFCarb™ media undergoes the following quality control tests before being shipped:

- Moisture content

- Hardness
- Bulk density
- Ash content
- Carbon tetrachloride adsorption

Service

AAF International will be pleased to offer you a maintenance contract for your chemical filter system. This includes sampling, removal of the used elements, cleaning of the installation and installation of new elements. Disposal in accordance with regulations and/or refilling is part of our scope.

SAAFCarb™

Engineered gas removal chemical medias

Specification

Physical Properties	
Moisture content	4 (wt %) acc. ASTM D2867
Ash content	< 8 (wt %) acc. ASTM D2866
Apparent bulk density	500 (kg/m ₃) acc. ASTM D2854
Nominal pellet diameter	4 mm
CTC rating	55 (wt%) acc. ASTM D3467

Application guidelines

Packaging Options	
Containers	25 kg sacks
Big Bags	550 kg big bags
Ready factory filled into	SAAF Canisters, Cassettes, Trays and deep bed filters
Media Selection	Target contaminants
SAAFCarb™	Hydrocarbons (VOC's), Chlorine (Cl ₂), Ozone (O ₃) and (NO ₂) Nitrogen dioxide
Performance	
Temperature	-20°C to 55°C
Humidity	10-95 % r. H.
Applications	
Airflow	From 40 m ³ /h to over 170.000 m ³ /h
Velocity	From 0.30 to 2.5 m/s
Precautions	
Installation	Use dust masks, safety goggles, and rubber gloves.
MSDS	Included in each shipment
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
Disposal	Must be disposed off according to local, state, and federal regulations

Please refer to appropriate AAF documentation for additional information on delivery systems.

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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.