

SAAF™ Deep Bed Scrubber-H

GAS PHASE SYSTEMS



Designed for

- Pulp & Paper
- Oil and Gas
- EV Battery Manufacturing
- Wastewater Operations
- Garbage Depots
- Incineration Sites
- Wet Wells
- Process Areas
- Emergency Safe Rooms
- Data Centers
- Other Highly Polluted Environments

High-Capacity Filtration for Demanding Environments

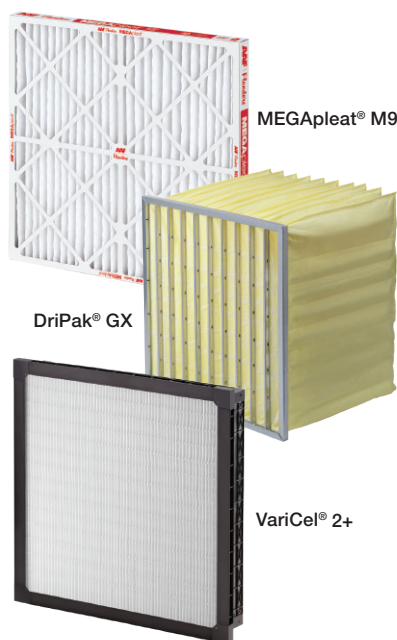
The SAAF Deep Bed Scrubber-H (DBS-H) is a robust air filtration system engineered for mission-critical and industrial environments. It is specifically designed for the most demanding applications where heavy particulate and airborne molecular contaminant levels are expected. By combining particulate and gas-phase filtration technologies, the DBS-H delivers an AAF total filtration solution that ensures clean air, equipment protection, and operational reliability.

Configurable to Your Operational Needs

This system offers the highest chemical media-to-air ratio, making it ideal for heavily polluted environments that demand strict air quality guarantees and optimal cost of ownership. Available in a wide range of sizes, with or without an integrated fan, it can be configured with multiple AAF filtration technologies for tailored performance. The DBS-H also provides exceptional flexibility and control, allowing it to adapt to changing environmental conditions with ease.

AAF Filtration Options

Pre-filter and final filter options available



Media Applications

Media Type	Impregnant	Target Gases	Typical Applications
SAAFOxidant	KMnO ₄ (Potassium Permanganate)	H ₂ S, SO ₂ , Formaldehyde, Ethylene, NO _x	Refineries, Pulp and Paper, Labs, Wastewater
SAAFCarb	Virgin Activated Carbon	VOCs, Ozone, Hydrocarbons, Nuisance Odors	Cooking, IAQ, Painting, Outdoor Air
SAAFCarb MA	KOH (Potassium Hydroxide)	H ₂ S, SO ₂ , NO _x	Pulp and Paper, Wastewater, Exhaust
SAAFCarb MB	H ₃ PO ₄ (Phosphoric Acid)	NH ₃ , Amines	Fertilizer Plants, Petrochemical Plants
SAAFCarb MC	Na ₂ S ₂ O ₃ (Sodium Thiosulfate)	Cl ₂	Pulp and Paper, Wastewater, Water Treatment
SAAFCarb MA.HT	MgO (Magnesium Oxide)	H ₂ S, SO ₂ , Hydrocarbons	Pulp and Paper, Wastewater
SAAFBlend GP	50/50 Blend	SAAFCarb and SAAFOxidant	Helipad, Exhaust, Refineries, Urban Outdoor Air
SAAFBlend CB	80/20 Blend	SAAFCarb and SAAFOxidant	Cannabis Odors

SAAF™ Deep Bed Scrubber-H

SAAF™ Technical Services

The SAAF Technical Services Group is equipped with advanced instrumentation and expert training to conduct thorough evaluations and environmental assessments.

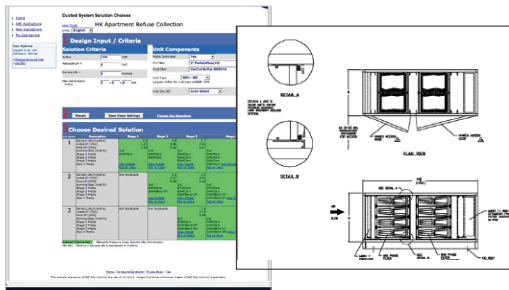
All testing is performed in alignment with relevant industry standards to ensure accuracy and credibility. Our evaluations lead to clear recommendations and tailored product solutions designed to meet your specific needs.



SAAF™ Tech Tools

AAF's exclusive SAAF Tech Tools is the filtration industry's most sophisticated and complete decision-sciences software for configuring clean air products to remove airborne gaseous contaminants. Extremely flexible, SAAF Tech Tools provides extensive customization and multiple solutions.

SAAF Tech Tools makes detailed information on contaminants, adsorbers, oxidants, as well as links to industry information relevant to specific applications, available at your fingertips.



Select and compare media and equipment solutions using SAAF™ Tech Tools.

AAF Innovation and Engineering

AAF's technologies and innovations have steered the air filtration industry for the past nine decades. From its modest beginning in 1921, when the first air filtration technology was developed by our founder, William Reed, the company today employs more than 100 engineers and has sales offices worldwide. We hire design and product development engineers who understand the importance of global design validity, the benefits of easy product use, the protection of natural resources, and the need to provide a product experience that enriches human existence.

AAF Service and Commitment

Our global team of sales and technical service professionals delivers reliable support and expert product knowledge wherever you are.

As the only air filtration company with a direct force of factory-trained representatives, AAF ensures a seamless and dependable experience. We're committed to delivering exceptional results and making it easy to work with us from start to finish.



9920 Corporate Campus Drive, Suite 2200, Louisville, KY 40223-5690
888.223.2003 | aafintl.com

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

©2025 AAF International and its affiliated companies.

ISO Certified Firm

GPF-1-128C 7/25