

High Efficiency Gas Adsorber Series — Air Purification



High Efficiency V-Bank Adsorbers Remove Gaseous Pollutants



The High Efficiency Gas Adsorber Series V-Bank carbon filters are ideally suited for use in a wide range of contaminated air streams that exist in commercial and industrial environments such as: HVAC recirculation systems, make-up air and corrosion control, sewage treatment facilities, trash transfer stations, and waste energy generation plants.

Positive Impact on Occupant Health

Removes interior and exterior gaseous pollution sources such as tobacco smoke, cleaning solvents, off-gassing from building materials, human metabolic by-products, vehicle exhaust, paint fumes, jet fumes, manufacturing process emissions, and agriculture process emissions that cause illnesses.

Environmentally-friendly

Cleaner and easier to use than loose trays or honeycomb panels - no dusting or carbon fines.

Call today to learn how to improve your Indoor Air Quality!

High Efficiency Gas Adsorber Series Filters



The High Efficiency Gas Adsorber Series V-Bank carbon filters are designed to efficiently remove a wide range of low concentration contaminants found in outdoor air as well as fugitive toxic gases and odors found in manufacturing facilities. It is the filter of choice for high efficiency removal of airborne molecular contamination in recirculation and make-up air systems. The High Efficiency Gas Adsorber V-Bank filters are constructed of multiple panels of activated carbon pleated media arranged in a "V" configuration and secured in a metal frame.

This advanced technology provides exceptionally high efficiency and capacity in a lightweight, versatile filter. The filters are configured in a variety of sizes that will easily fit into existing HVAC units and air handlers. The filters can be either forward or reverse mounted without performance loss. Various impregnations are offered to target specific contaminant gases.

The filters are:

- Disposable
- Easy to install
- Cost-efficient

Filter Specification

Nominal Size	Initial Resistance @ 250 fpm* [1.27 m/s]	Initial Resistance @ 500 fpm* [2.54 m/s]	Media Area / Filter	Carbon Weight / Filter
24" x 24" x 12" [610 mm x 610 mm x 305 mm]	.17" w.g. [42 Pa]	.36" w.g. [90 Pa]	65 FT ² [6 m ²]	9 lbs. [4 kg]
20" x 24" x 12" [508 mm x 610 mm x 305 mm]	.19" w.g. [47 Pa]	.39" w.g. [97 Pa]	50 FT ² [4.6 m ²]	7 lbs. [3.2 kg]
12" x 24" x 12" [305 mm x 610 mm x 305 mm]	.22" w.g. [55 Pa]	.43" w.g. [107 Pa]	25 FT ² [2.5 m ²]	3.5 lbs. [1.6 kg]

Tech Specs

Filter Type

Disposable bonded activated carbon multi-panel V-Bank filter.

General Description

Filter is designed for total-retention gaseous contamination control.

Construction

Filter is constructed of multiple, 1" [2.54 cm] thick non-woven pleated granular sorbent panels that are arranged in a multi-panel "V" configuration and enclosed in a [galvanized steel; aluminum, stainless steel, non-metallic incinerable] frame with a header. The individual panels are fully sealed with a phosphate-free

urethane sealant to prevent bypass of contaminated air. For sorbent media utilizing activated carbon, the carbon has a carbon tetrachloride activity no less than 75% as measured by ASTM D3467 test method.

The non-woven sorbent media contains virgin sorbent no larger than 20 US mesh that is bonded directly to the fiber without the use of any type of adhesive in order to maintain the original properties of the unbonded sorbent. The filter is constructed in such a way as to provide an essentially dust-free operation.

Classification

UL 900 classified filters available.