

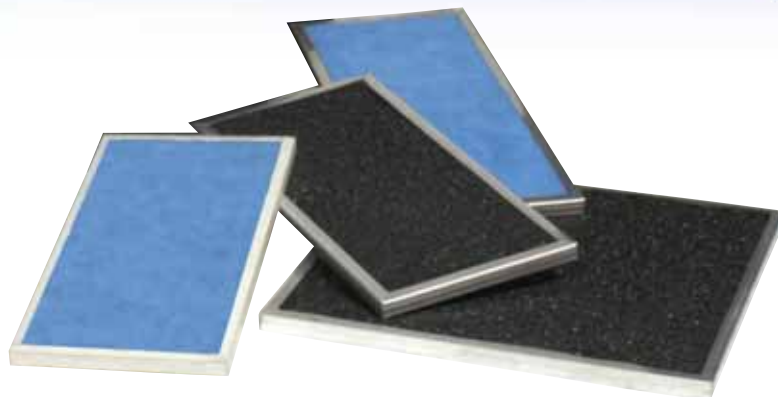


*Better Air is Our Business®*

**AmericanAirFilter®**

**AmerSorb® BP**

*Disposable, High Activity  
Carbon Bonded Panel Filters*



- 60% CTC activity carbon
- High first-pass removal efficiency and low resistance to airflow
- No carbon dusting — no settling
- Easy disposal
- Individually sealed in cellophane bag for easy handling
- Available in various thicknesses

AmerSorb BP disposable, carbon bonded panel filters are a direct replacement for 1" panels used in most manufacturers' side and front access housings. An economical alternative to refillable trays used in granular media housings, AmerSorb BP filters are easier to handle and reduce maintenance costs.

### **Patented Bonding Process**

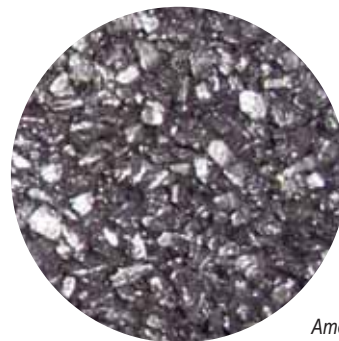
The patented process uses a polymeric substance to bind activated carbon into a rigid, uniform structure characterized by open pore structure. This bonding process is unique because adsorption properties of the base activated carbon remain virtually unchanged. Conventional bonding methods may corrupt surface area and pore size distribution. Since the adsorptive capacity of the activated carbon is preserved, the need for post-binding activation is eliminated.

### **Higher Efficiency**

AmerSorb BP carbon bonded panel filters are constructed with 0.25 oz. high-loft, non-woven polyester front and back for protection during shipment and offer particulate removal capabilities as well. Structurally designed to prevent bypass of contaminated air, the carbon is "locked" in place and will not settle, as often occurs in loose-fill trays and honeycomb carbon filters.

### **More Carbon**

AmerSorb BP bonded carbon panel filters contain approximately 5% more carbon by weight than a comparable size loose-fill panel filter. Since a supporting enclosure is not required, there is additional space for carbon content.



*AmerSorb® BP high activity carbon granules*

### **Reduced Maintenance**

Disposable filters eliminate many of the maintenance costs associated with refillable carbon panels. Disposable carbon bonded panels are easy to install and cleaner to handle. No extra freight, handling, or clean up is required.

## AmerSorb® BP

### Applications

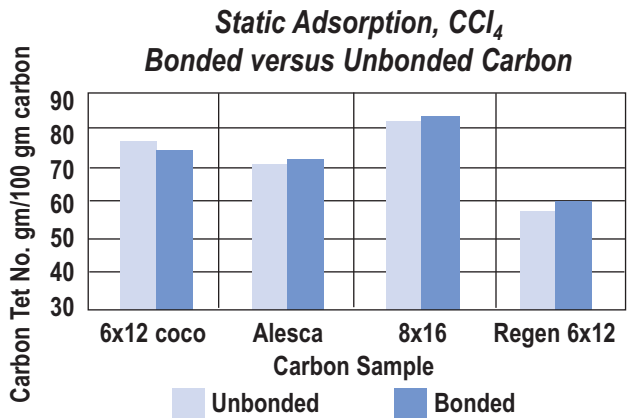
AmerSorb BP carbon bonded panel filters are used for applications where odor control and Volatile Organic Compound (VOC) removal are necessary. As a result of high performance and extremely low particle shedding, AmerSorb BP filters do not require downstream particulate filters. These filters are ideal for applications ranging from air make-up units in high purity environments to general heating and cooling applications.

- Airports
- Casinos
- Micro-electronics
- Hospitals
- Meeting Halls
- Food Processing
- Any application where odors and/or VOC's are an issue

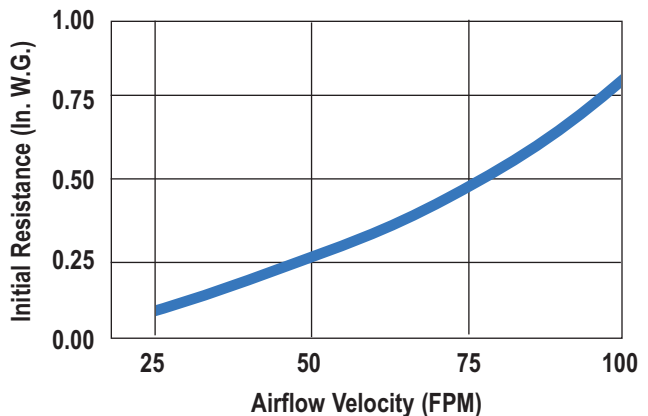
### Performance Data

#### Static Adsorption Capacity

Carbon Tetrachloride (CCl<sub>4</sub>) adsorption capacity is virtually unaffected by bonding. Several carbon samples in the 60-80% CCl<sub>4</sub> activity range are shown in the graph below. As indicated, there is little impact on the activated carbon by the bonding process.



#### Initial Resistance



AmerSorb® is a registered trademark of AAF-McQuay Inc. in the U.S.



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

ISO Certified Firm