CarbonWeb® VMP-C

CarbonWeb® VMP-C v-bank mini pleat HEGA (High Efficiency Gas adsorber) is an exceptionally high-quality industrial grade HVAC molecular air filter designed to remove a broad spectrum of organic and inorganic compounds, chlorinated hydrocarbons, and various undesirable odorous gasses.

VMP-C is constructed with a heavy 645 gsm weight media of 100% high activity carbon 20 x 50 fine mesh granules. The extended surface mini-pleat V-bank design optimizes dwell time for adsorption while reducing resistance to air flow. Reducing energy costs and maximizing service life.

HVAC applications typically experience lower concentration levels of molecular contaminates. Adsorption is an effective and economical process to mitigate molecular and odor issues. The heavy weight media and fine mesh carbon provide excellent first pass efficiencies. When properly applied the CarbonWeb VMP-C can eliminate the vast majority of pollution problems caused by gases and vapors found in HVAC sytems.

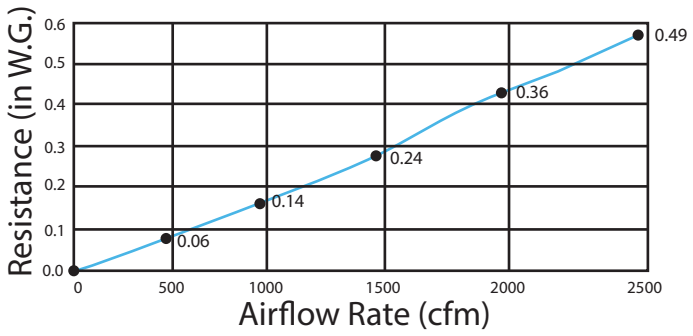
CarbonWeb VMP-C is constructed with a heavy 645 gsm High Activity Carbon (HAC) to remove organic odors:

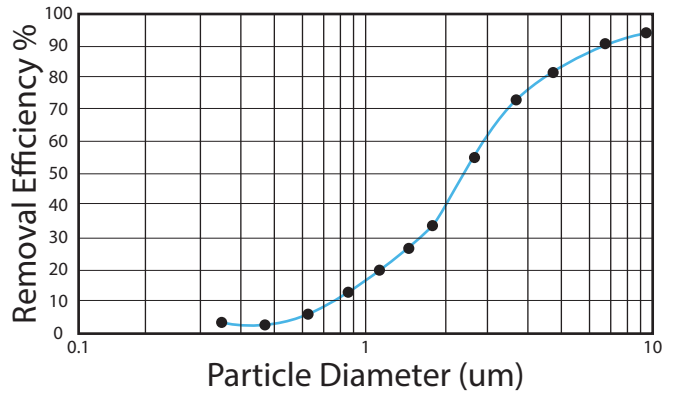
Greenhouse	Sewer Gas
Food Odors	Industrial Plants
Forest Fires	Sports Arenas
Office Space	Paint Facilities
Hospitals	Ozone
Sports Facilities	Agricultural

Model	Nominal Size	High Activity Carbon	Weight Each	Initial Resistance WC	Initial MERV	Final Resistance WG
CarbonWeb VMP-C				500 FPM		
VMPC-12-100-01	12x24x12	645 gsm	8.0 LBS	0.36″	8	1.5″
VMPC-12-100-06	20x24x12	645 gsm	10.4 LBS	0.36″	8	1.5″
VMPC-12-100-08	24x24x12	645 gsm	12.1 LBS	0.36	8	1.5″

CarbonWeb® VMP-C

Performance Data





Specifications

Media: 645 gsm 100% high activity 20 x 50 mesh carbon suspended in a nonwoven matrix.

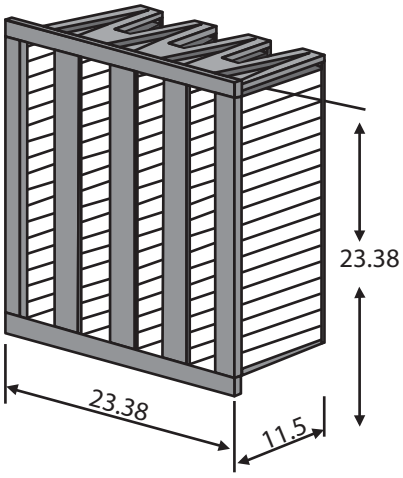
Frame: Double walled high strength plastic v-dedign frame for industrial applications with minimumresistance to air flow.

Sealant: Media pack shall be bonded to frame utilizing moisture resistant adhesive for continuous seal.

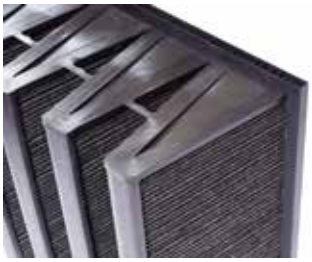
Gasketing: Optional premium closed cell neoprene gasketing available.

Maximum Operating Temp: 140F.

Incinerable: Yes



Industrial Grade Plastic Frame with Double Wall Construction



Engineered Design Maximizes Air-Flow and Filter Strength

Precision Pleating for Optimum Surface Area

Hospital | Food Odor | Animal Odor | Greenhouse | Industrial | Office | Sewer Gas | Sports Arena

D - Mark
130 N. Groesbeck Hwy.
Mt. Clements, MI 48043
www.dmarkinc.com

RENSA FILTRATION

800-343-3610
586-949-3610
F 586-949-4181
dmark@dmarkinc.com

CarbonWeb® VMP-CP15

CarbonWeb® VMP-CP15 v-bank mini-pleat HEGA (High Efficiency Gas Adsorber) is an exceptionally high-quality HVAC air filter designed to provide high efficiency MERV 15 particulate filtration combined with 500 gsm of High Activity Carbon to remove a wide spectrum of odors and VOCs.

VMP-CP15 provides high levels of indoor air quality controlling fine airborne particulate contaminants and lower concentrations of most internal and external odor producing molecular contaminates. The compact dual media design allows easy installation in most HVAC applications.

The extended surface area design allows very low resistance to air-flow, providing reduced energy costs and an extended life cycle. Fine 20x50 mesh high activity carbon creates maximum surface area for high first pass removal efficiencies on gasses.

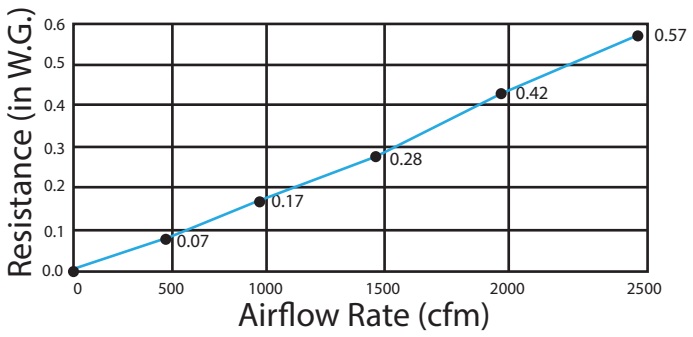
CarbonWeb VMP-CP15 Provides MERV 15 Particle Efficiency and 500 gsm High Activity Carbon for applications Including:

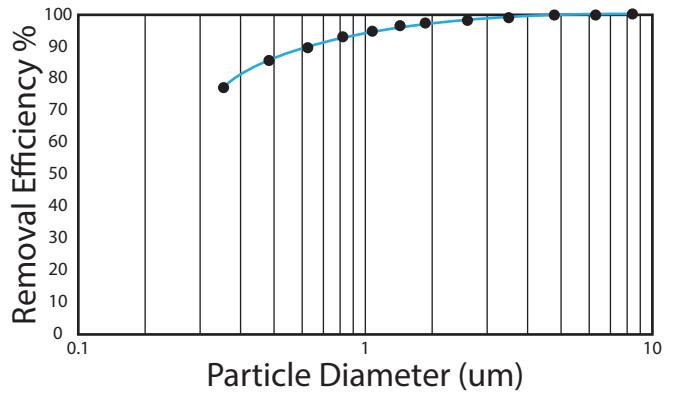
- Greenhouse
- Vehicle Exhaust
- Forest Fires
- Office Space
- Hospitals
- Sports Facilities
- Airport Fumes
- Industrial Plants
- Universities
- Paint Facilities
- Hotels
- Agricultural

Model	Nominal Size	High Activity Carbon	Weight Each	Initial Resistance WC	Initial MERV	Final Resistance WG
CarbonWeb VMP CP15				500 FPM		
VMPCP-12-100-01	12x24x12	500 gsm	7.5 LBS	0.42″	15	1.5″
VMPCP-12-100-06	20x24x12	500 gsm	10.0 LBS	0.42″	15	1.5″
VMPCP-12-100-08	24x24x12	500 gsm	11.5 LBS	0.42″	15	1.5″

CarbonWeb® VMP-CP15

Performance Data





Specifications

Media: Dual layer combination of MERV 15 synthetic particualte layer and 500 gsm 20x50 mesh HAC laminated together to create a high efficiency gas phase media.

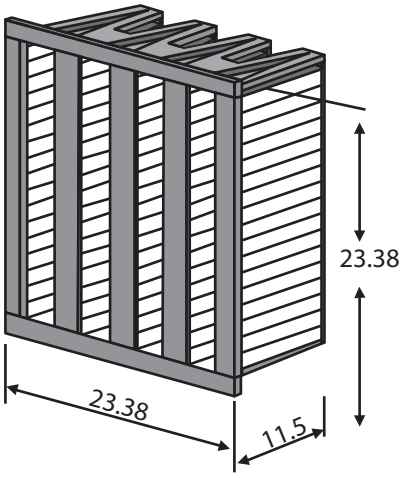
Frame: Double walled high strength plastic v-design frame for industrial applications with minimum resistance to air flow.

Sealant: Media pack shall be bonded to frame utilizing moisture resistant adhesive for continuous seal.

Gasketing: Optional premium closed cell neoprene gasketing available.

Maximum Operating Temp: 140F.

Incinerable: Yes



Industrial Grade Plastic Frame with Double Wall Construction

Engineered Design Maximizes Air-Flow and Service Life

Precision Pleating for Optimum Surface Area

Airport | Diesel Exhaust | Hospital | Greenhouse | Industrial | Office | Sewer Gas | Sports Arena

D - Mark
130 N. Groesbeck Hwy.
Mt. Clements, MI 48043
www.dmarkinc.com

RENSA FILTRATION

800-343-3610
586-949-3610
F 586-949-4181
dmark@dmarkinc.com

CarbonWeb® VMP-X

CarbonWeb® VMP-X v-bank mini pleat is an exceptionally high-quality industrial grade HVAC molecular air filter specifically designed to remove and mitigate diesel exhaust and aviation fuel fumes entering a buildings HVAC system from an outside source. Typical applications include helipads, loading docks , airports, construction sites and HVAC systems located near freeways or heavy traffic areas.

VMP-X is constructed with a very heavy and dense 600 gsm weight proprietary blend media of various high activity carbons, impregnated carbons and impreganted activated alumina especially designed to react with and help remove lower concentrations of the multiple harmful gases generated by diesel and aviation fuel combustion such as NOx, formaldehyde and carbon monoxide.

The heavyweight CarbonWeb® media is manufactured via D-Mark's patented thermo-bonding process using exceptionally fine 20x50 mesh carbons and activated alumina. Heavy media constructed with fine mesh granules greatly increases surface area and dwell time required to capture harmful gases with high first-pass efficiency. All CarbonWeb media is designed and manufactured in the USA to exacting standards.

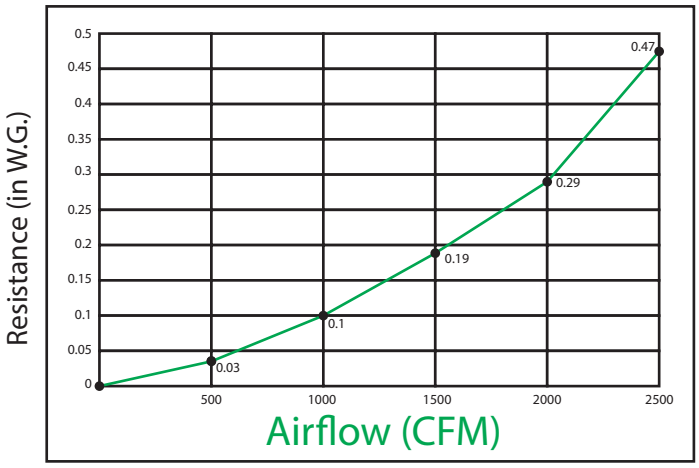
CarbonWeb VMP-X is constructed with very heavyweight 600 gsm media specifically designed to remove and mitigate diesel and aviation fuel exhaust fumes entering HVAC systems

Helipads and Helidecks - Hospital & Private
Loading Dock Fumes from Idling Trucks
Airports
Occupied Buildings Near Active Construction Sites with Combustion Engines
Universities
Buildings with Air Intakes Near Freeways and High Traffic Areas

Model	Nominal Size	High Activity Carbon	Weight Each	Initial Resistance WC	Initial MERV	Final Resistance WG
CarbonWeb VMP-X				500 FPM		
VMPX-12-100-01	12x24x12	600 gsm	9.0 LBS	0.29"	8	1.5"
VMPX-12-100-06	20x24x12	600 gsm	13.2 LBS	0.29"	8	1.5"
VMPX-12-100-08	24x24x12	600 gsm	16.0 LBS	0.29"	8	1.5"

CarbonWeb® VMP-X

Performance Data



Specifications

Media: 600 gsm proprietary blend carbons and activated alumina 20x50 fine-mesh granules suspended in a nonwoven matrix.

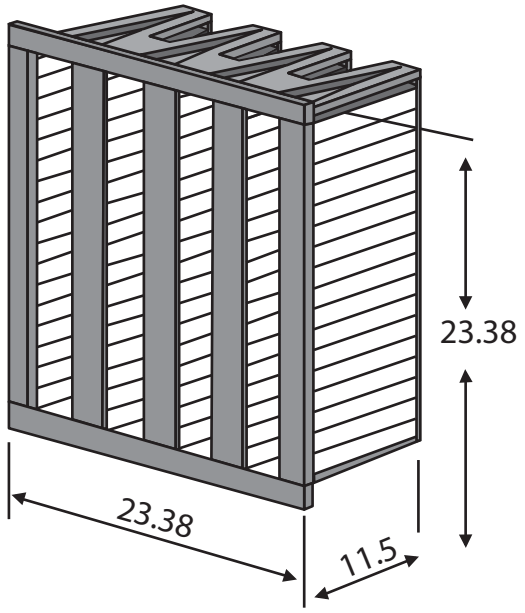
Frame: Double walled high strength plastic v-design frame for industrial applications with minimum resistance to air flow.

Sealant: Media pack shall be bonded to frame utilizing moisture resistant adhesive for continuous seal.

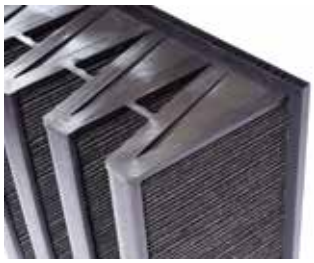
Gasketing: Optional premium closed cell neoprene gasketing available.

Maximum Operating Temp: 140F.

Incinerable: Yes



Industrial Grade Plastic Frame with Double Wall Construction



Engineered Design Maximizes Air-Flow and Filter Strength with Reduced Weight

Precision Pleating for Optimum Surface Area and Increased Dwell Time

Diesel Exhaust

Helipads

Airports

High Traffic

D - Mark
130 N. Groesbeck Hwy.
Mt. Clements, MI 48043
www.dmarkinc.com

RENSA FILTRATION

800-343-3610
586-949-3610
F 586-949-4181
dmark@dmarkinc.com

CarbonWeb® VMP-AG

CarbonWeb® VMP-AG v-bank mini pleat is an exceptionally high-quality industrial grade HVAC molecular air filter specifically designed to remove a broad spectrum of soft and hard acid gasses such as sulfur dioxide, hydrogen sulfide, hydrochloric acid and acetic acid. The VMP-AG also targets nitrogen oxides, NOx, NO2 & NO3.

VMP-AG is constructed with a heavy 640 gsm weight media of 100% potassium base impregnated carbon 30x60 fine mesh granules. The extended surface mini-pleat v-bank design optimizes dwell time for adsorption while reducing resistance to air flow. Reducing energy costs and maximizing service life.

HVAC applications typically experience lower concentration levels of corrosive gasses. Adsorption is an effective and economical process to mitigate soft and hard gas issues. Heavy weight media and fine mesh carbon provide excellent first pass efficiencies. When properly applied the CarbonWeb VMP-AG can mitigate or eliminate problems caused by unwanted destructive acid-gasses and vapors found in HVAC systems and climate-controlled spaces.

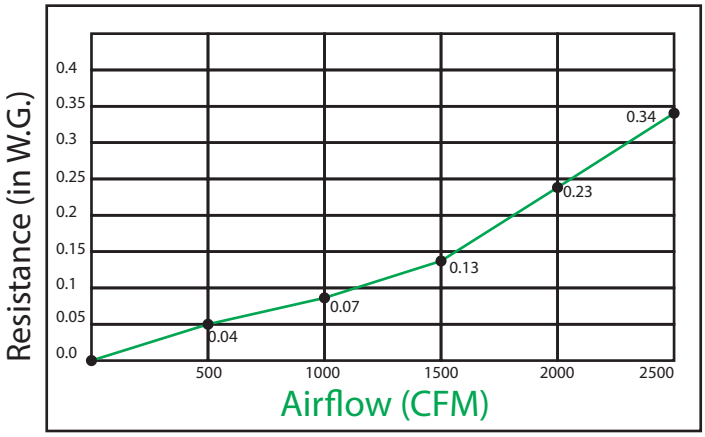
CarbonWeb VMP-AG is constructed with heavy weight potassium base impregnated carbon designed to remove or mitigate corrosive acid-gasses

Museums - Art & Archive
Preservation
Corrosion Control for Electronic Drives
Corrosion Control for Computers
Pulp and Paper Mills
Wastewater Treatment
Petrochemical
Microelectronics Manufacturing

Model	Nominal Size	High Activity Carbon	Weight Each	Initial Resistance WC	Initial MERV	Final Resistance WG
CarbonWeb VMP-AG				500 FPM		
VMPAG-12-100-01	12x24x12	640 gsm	8.9 LBS	0.23"	8	1.5"
VMPAG-12-100-06	20x24x12	640 gsm	13.0 LBS	0.23"	8	1.5"
VMPAG-12-100-08	24x24x12	640 gsm	15.5 LBS	0.23"	8	1.5"

CarbonWeb® VMP-AG

Performance Data



Specifications

Media: 640 gsm 100% potassium based high activity 30x60 fine-mesh impregnated carbon suspended in a nonwoven matrix.

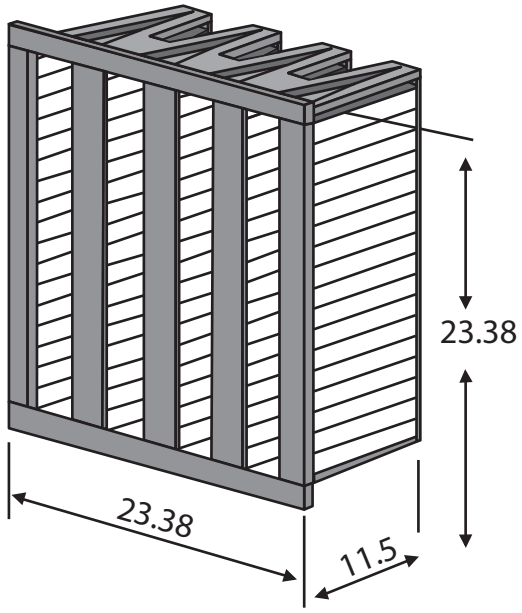
Frame: Double walled high strength plastic v-design frame for industrial applications with minimum resistance to air flow.

Sealant: Media pack shall be bonded to frame utilizing moisture resistant adhesive for continuous seal.

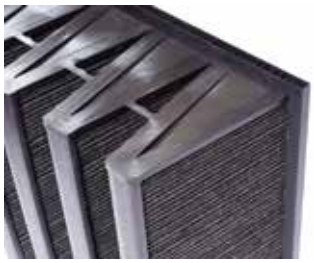
Gasketing: Optional premium closed cell neoprene gasketing available.

Maximum Operating Temp: 140F.

Incinerable: Yes



Industrial Grade Plastic Frame with Double Wall Construction



Engineered Design Maximizes Air-Flow and Filter Strength with Reduced Weight

Precision Pleating for Optimum Surface Area and Increased Dwell Time

Sulfurs | Museum | Microelectronic | Pulp & Paper | Industrial | Sewer Gas | Petrochemical

D - Mark
130 N. Groesbeck Hwy.
Mt. Clements, MI 48043
www.dmarkinc.com

RENSA FILTRATION

800-343-3610
586-949-3610
F 586-949-4181
dmark@dmarkinc.com

D - Mark Adsorball® Carbon V-Bank Filter

D-Mark **Adsorball** Bulk Carbon V-Bank Honeycomb filter is designed to allow high volumes of activated carbon, or 50/50 carbon and activated alumina blends to be efficiently installed into new and existing HVAC systems.

Adsorball is designed for odor removal from spaces with heavier concentrations of unwanted gases. The industrial strength frame holds 24lbs – 35lbs of activated or impregnated carbon granules for commercial and industrial environments.

Gas adsorbing media (granules) are selected specifically to neutralize target gasses and remove those gases from the airstream. Fits most HVAC systems or easy retrofit.

Adsorball Plus combines 50% high activity carbon with 50% activated aluminia with 5 % potassium permanganate to neutralize specific gasses such as ammonia, sulfur dioxide, hydrogen sulfide, and diesel fumes.

Custom or specific blends are available to neutralize target gasses.

Partial List of Contaminants Effectively Removed with Carbon

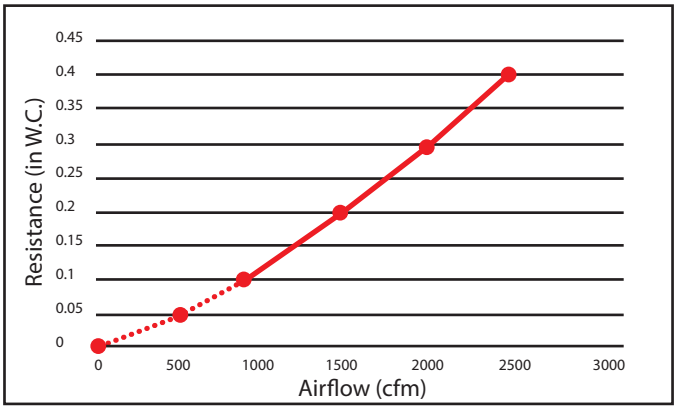
Industrial Process
Adhesives
Asphalt Fumes
Cooking Odors
Disinfectants
Food Aromas
Hospital Odors
Irritants
Helipads
Airports
Greenhouse
Organic Chemicals
Ozone
Perspiration
Animal Odors
Sewer Odors
Vapors
Waste Products
Diesel Exhaust
Paper Mills

Product Part Number	Nominal Size	Actual Size	GAC Weight Pounds	Initial Resistance (in w.g.)
AAC-12-100-01	12 x 24 x 12	11-3/8 x 23-3/8 x 11-1/2	11	0.25
AAC-12-100-06	20 x 24 x 12	19-3/8 x 23-3/8 x 11-1/2	20	0.25
AAC-12-100-08	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	24	0.25

			Plus 50/50 Pounds	
AAP -12-100-01	12 x 24 x 12	11-3/8 x 23-3/8 x 11-1/2	13	0.28
AAP -12-100-06	20 x 24 x 12	19-3/8 x 23-3/8 x 11-1/2	24	0.28
AAP - 12-100-08	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	29	0.28

Adsorball® Carbon V - Bank Filter

Performance Data



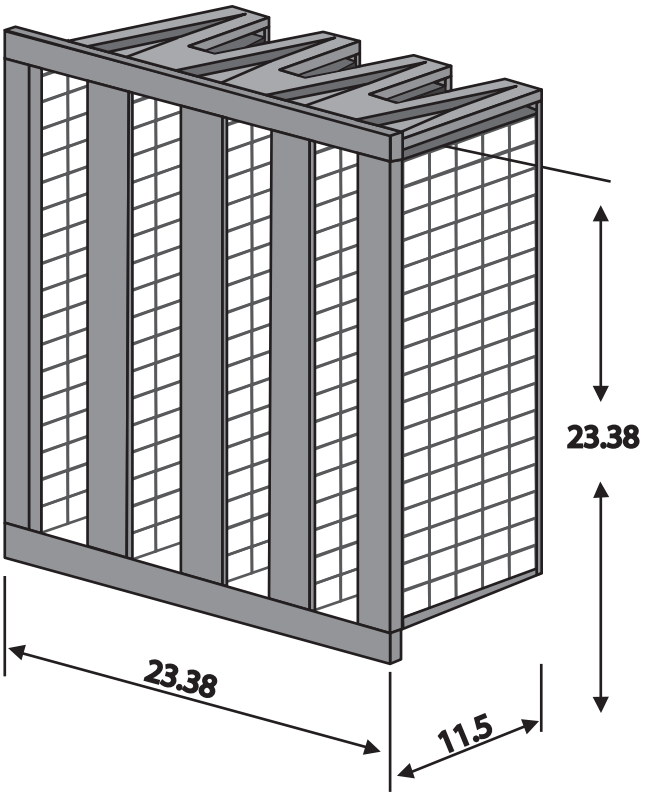
Description

Adsorball V- Bank Honeycomb filter is filled with 100% 6 x 12 mesh industrial grade 60 CTC High Activity Carbon for organic and specific molecular - gas phase control

Adsorball Plus V - Bank Honeycomb filter is filled with 50% 60 CTC carbon and 50% Activated Aluminia with 5 % Potassium Permanganate

Frame: Double walled high - strength plastic frame for industrial applications

Sealant: Moisture resistant adhesive for continuous seal and pack strength



Industrial Grade Plastic Frame with Double Wall Construction

Carbon Granules Suspended in Honeycomb Matrix

Carbon and Potassium Blend for Target Gases

Food Odor | Restaurant | Hospital | Greenhouse | Animal Odor | Industry | Office | Sewer Gas | Sports Arena

D - Mark
130 N. Groesbeck Hwy.
Mt. Clements, MI 48043
www.dmarkinc.com

RENSA FILTRATION

800-343-3610
586-949-3610
F 586-949-4181
dmark@dmarkinc.com