

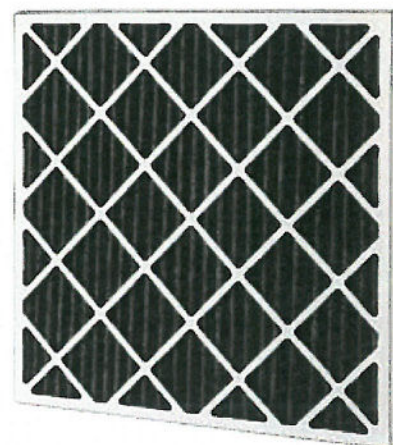
D-Mark CarbonWeb® Carbon Pleat Filter

D-Mark **CarbonWeb®** Carbon Pleat Filter is specifically designed to remove unpleasant odors and gaseous pollutants entering a buildings HVAC system. Neutralizing target molecular or gas phase contaminants prior to distribution.

CarbonWeb media is a patented material suspending high weights of fine 20x50 mesh Carbon Tetrachloride Activity (CTC) 60 carbon in synthetic web matrix. The unique process maximizes carbon surface area to increase first pass efficiency.

Carbon Web pleats are available in three media weight categories ranging from 215 GSM to 485 GSM.

CarbonWeb Plus pleats use a 50/50 blend of CTC 60 Carbon and Activated Alumina with 5% Potassium Permanganate $KMnO_4$.



Partial List of Contaminants Effectively Removed with Carbon

Acetic Acid	Organic Chemicals
Asphalt Fumes	Ozone
Cooking Odors	Perspiration
Disinfectants	Animal Odors
Food Aromas	Sewer Odors
Hospital Odors	Waste products

CarbonWeb Plus Removes Odors, Particulates, and Light Gasses

Ammonia	Sulfur Dioxide
Formaldehyde	Hydrogen Sulfide

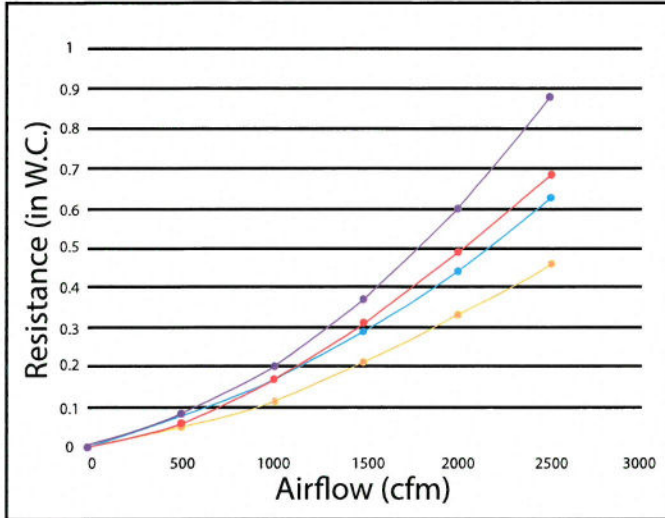
Model	Description	Nominal	GAC Carbon Weight	Particulate Layer	Initial Resistance (in w.g.)		MERV	Final Resistance WG
					300 FPM	500 FPM		
CarbonWeb LD	CTC 60 High Activity Carbon	24x24x2	215 gsm	No	0.21	0.33	7	1.20"
CarbonWeb MD	CTC 60 HAC-Particulate Layer	24x24x2	323 gsm	Yes	0.31	0.49	8	1.20"
CarbonWeb HD	CTC 60 HAC-Particulate Layer	24x24x2	485 gsm	Yes	0.29	0.45	10	1.20"
CarbonWeb Plus	50/50 HAC-Activated Alumina PP	24x24x2	592 gsm	Yes	0.37	0.60	10	1.20"

CarbonWeb® Patented Filter Media

RENSA FILTRATION

CarbonWeb® Carbon Pleat Filter

Performance Data



- Plus 50/50
- Light Duty
- Medium
- Heavy Duty

Specifications

CarbonWeb Pleat Filters are constructed with 100% CTC 60 highly activated 20x50 mesh carbon suspended in a synthetic web matrix.

Carbon Web Plus Filters are constructed with a heavyweight 50/50 blend of CTC 60 carbon and Activated Alumina with Potassium Permanganate.

Frame: Heavy Duty 28 point beverage board for industrial applications. 1", 2" and 4" frame depths available

Maximum Operating Temp: 140F

UL Classified in accordance to UL 900

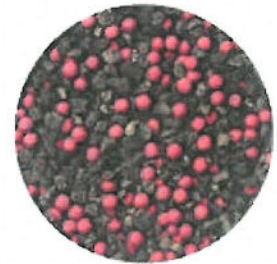
Available Standard Sizes

12x24x1	12x24x2	12x24x4
16x20x1	16x20x2	16x20x4
16x25x1	16x25x2	16x24x4
18x24x1	18x24x2	18x24x4
20x20x1	20x20x2	20x20x4
20x24x1	20x24x2	20x24x4
20x25x1	20x25x2	20x25x4
24x24x1	24x24x2	24x24x4

Special Sizes Available



CarbonWeb® Media
215 GSM Light Duty
323 GSM Medium Duty
485 GSM Heavy Duty



CarbonWeb® Plus
50/50 Blend
Carbon & Activated
Alumina 5% Potassium
Permanganate



Food Odor



Restaurant



Hospital



Greenhouse



Animal Odor



Office



Sewer Gas



Sports Arena

RENSA FILTRATION



P.O. Box 23773
Tigard, OR 97281-3773
888.968.AFNW (2369)
503.968.3261
Fax 503.968.3262
www.afnw.net

D - Mark Adsorbball® Carbon V-Bank Filter

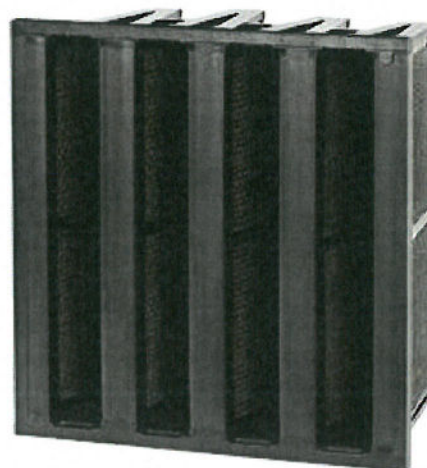
D-Mark **Adsorbball** Bulk Carbon V-Bank Honeycomb filter is designed to allow high volumes of activated carbon, or 50/50 carbon and activated alumina blends to be efficiently installed into new and existing HVAC systems.

Adsorbball 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.

Adsorbball Plus combines 50% high activity carbon with 50% activated alumina 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	Greenhouse
Adhesives	Organic Chemicals
Asphalt Fumes	Ozone
Cooking Odors	Perspiration
Disinfectants	Animal Odors
Food Aromas	Sewer Odors
Hospital Odors	Vapors
Irritants	Waste Products
Helipads	Diesel Exhaust
Airports	Paper Mills

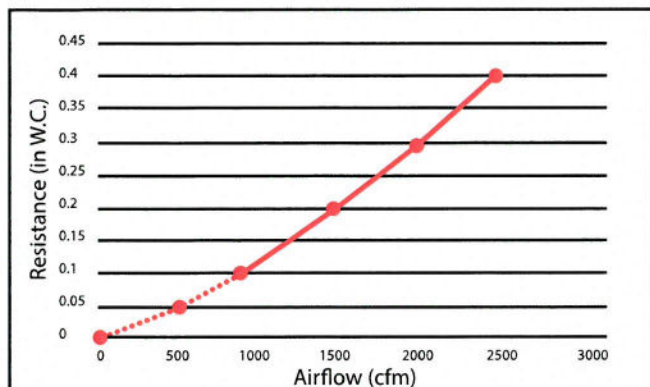
Product Part Number	Nominal Size	Actual Size	GAC Weight Pounds	Initial Resistance (in w.g.)
AAC-12-100-01	12 x 24 x 12	11-3/8 x 23-3/8 x 11-1/2	11	0.25
AAC-12-100-06	20 x 24 x 12	19-3/8 x 23-3/8 x 11-1/2	20	0.25
AAC-12-100-08	24 x 24 x 12	23-3/8 x 23-3/8 x 11-1/2	24	0.25
			Plus 50/50 Pounds	
AAP-12-100-01	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

Adsorbball® Bulk Carbon V - Bank Filter

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Adsorbball® Carbon V - Bank Filter

Performance Data



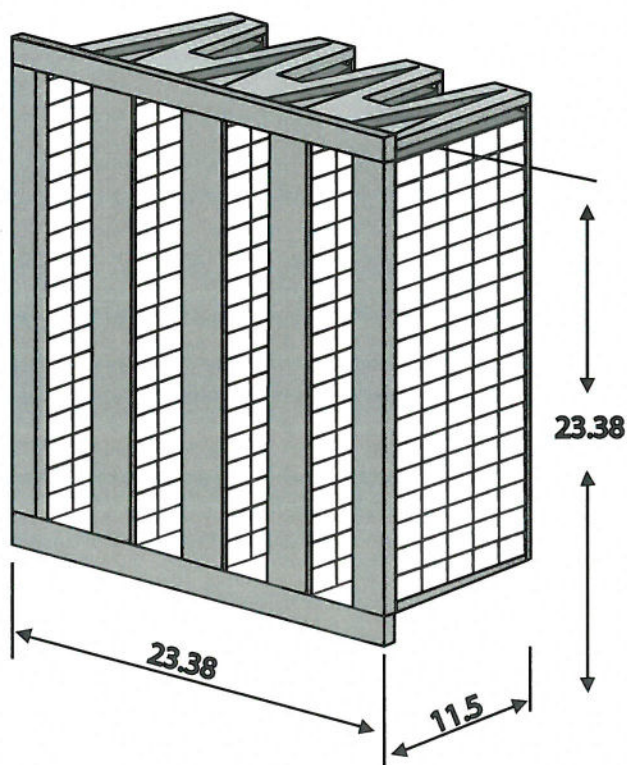
Description

Adsorbball 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

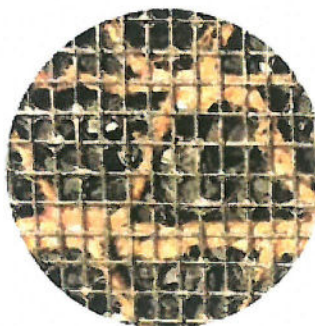
Adsorbball Plus V - Bank Honeycomb filter is filled with 50% 60 CTC carbon and 50% Activated Alumina with 5 % Potassium Permanganate

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

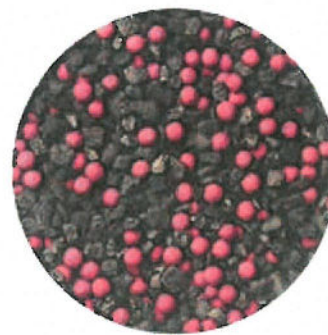
Sealant: Moisture resistant adhesive for continuous seal and pack strength



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

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CarbonWeb® 90 - Wildfire Smoke Odors

CarbonWeb® 90 bulk carbon media rolls are constructed with 970 gsm of 60 CTC High Activity Carbon 20x50 fine mesh carbon suspended in a pliable non-woven matrix. CW90 is designed to allow sufficient airflow while carbon granules remove or mitigate unwanted odors.

CW90 is specifically designed to cover building air intake ducts for short term relief from noxious wildfire smoke events. CW90 is rigid yet cuts easily to adapt to the specific dimensions required. CW90 can also be installed upstream of existing particulate air filters.

Wildfire smoke emits large amounts of fine particulate and trace gases into the atmosphere. The smoke generated can travel great distances and last for weeks. A wide variety of airborne pollutants released by wildfire smoke include CO₂ (carbon dioxide), CH₄ (methane), N₂O (nitrous oxide), VOCs, and many more.

CarbonWeb 90 is most effective when used in tandem with high efficiency particulate air filters to capture the fine (< 2.5 mm) and ultrafine (< 1.0 mm) particles generated from biomass smoke and becoming airborne.

Wildfire smoke is a recognized public health issue and the odor emitted can cause nausea, headaches, respiratory issues and create an overall poor Indoor Air Quality work environment.



CarbonWeb 90 bulk roll media is loaded with 970 gsm of 60 CTC High Activity Carbon to mitigate wildfire smoke entering building HVAC systems



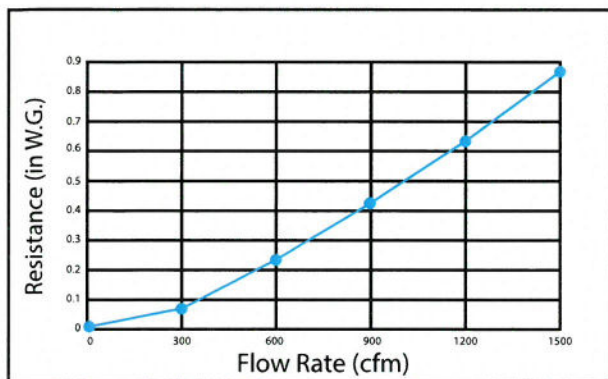
Model	Roll Size	60 CTC Carbon	Case Weight	Loft	Initial MERV	UL Classified
CarbonWeb 90 Bulk Rolls						
CWCRO-90-3050	30"x 50'	970 gsm	35 LBS	0.375"	7	Yes
CWCRO-90-6050	60"x 50'	970 gsm	70 LBS	0.375"	7	Yes

CarbonWeb® 90

RENSA FILTRATION

CarbonWeb® 90 Ultra Heavy Carbon Rolls

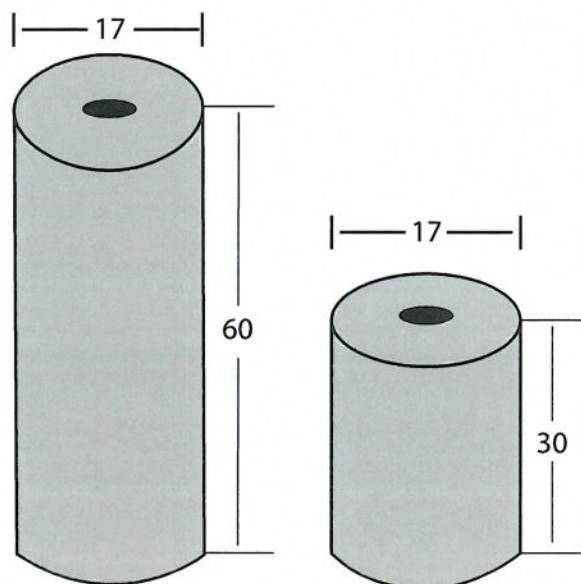
Performance Data



Specifications

Media: CarbonWeb 90 bulk roll carbon media is loaded with an ultra heavy 970 gsm 100% 60 CTC 20x50 mesh High Activity Carbon suspended and thermo-bond sealed in a pliable synthetic non-woven matrix.

UL Classified: Yes



Available Standard Sizes

Additional High Efficiency Wildfire Smoke Filters



CarbonWeb Heavy
Duty Carbon Pleat
485 gsm 60 CTC



VMP-CP15 Combo
MERV 15 - 500
High Activity Carbon



Remove CarbonWeb 90
From Protective Bag



Cut To Appropriate Size
To Cover Intake



Secure To Unit

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CarbonWeb®

Granular Activated Carbon Filter Media: Panels, Pads, Pleats, Metal Frames, Rolls & Blankets

Designed for Removal of:

- Odors
- Gaseous Pollutants
- Particulates

CW Media Applications: Blankets, Rolls, or Filters

- Air Intakes* [Roof Tops; Over Loading Docks; At Ground Level]
- Asphalt [Parking Lots, Roads, Roofs]
- Emergency IAQ Problems
- Non-Standard Air Handling Systems
- Odor Generating Maintenance Procedures
- Pleated Filters
- Remediation and Restoration
- Remodeling [Flooring; Painting; Wall Coverings]
- Roofing [*Air Intakes during Installation or Repair]

OEM AND REPLACEMENT APPLIANCE FILTRATION

- Ductless Range Hoods, OTR Microwaves
- Ductless Bath Fans
- Electronic and Mechanical Air Cleaners
- Fume Hoods

CarbonWeb is an efficient, carbon filled filter media that provides low air resistance and a high capacity. Its gas phase, 60% activity granular activated carbon has nearly five million square feet of surface area per pound, and is designed to remove odors and gaseous pollution from air. Offered in a variety of sizes and thicknesses,

CarbonWeb media can be used to create your own filter design, or customized by D-Mark to your filter specifications. In blanket or roll form, it is especially effective for solving or preventing on-site emergency air quality problems. Whatever the application, the use of CarbonWeb media results in fresher, more odor-free indoor air.

CarbonWeb® Patented Filter Media

D-Mark Air Filtration Products are made with CarbonWeb® Flexible Carbon Filled Filter Media. Using a patented process, media for general odor control is filled with granular activated carbon. Media for the control of light gases is filled with other types of adsorbents, either alone or in combination with granular activated carbon. The result is high-efficiency filtration for a variety of odor control challenges.

D MARK®
The Carbon Filter Specialists®
SINCE 1970

CarbonWeb®

Granular Activated Carbon Filter Media: Panels, Pads, Pleats, Metal Frames, Rolls & Blankets

Features:

- Patented, flexible CarbonWeb media "adsorbs" odors and pollutants - carbon will not settle.
- Low air resistance, non-by-pass, disposable media offered for light or medium or heavy duty applications.
- Rolls, available in standard and custom widths.
- Light/medium duty media, except CarbonWeb 90, is available with a white polyester pre-filter.
- Roll and Blanket widths are +/- 1/4".
- Heavy Duty Filters, available in standard and custom sizes, with or without pre or after filters, and gasketing.
- Packaged in polyethylene to preserve capacity and cleanliness.
- UL approved.

Specifications:

	Product	GAC-Wt. Grams sq. ft. sq. meter		Nominal Thickness	Roll Length	Blankets	Pads/Framed	Prefilter
Light to Medium Duty	CW 20	20	215	3/16"	100'	✓	✓	✓
	CW 30	30	325	3/16"	100'	✓	✓	✓
	CW 30T	30	325	1/2"	100'	✓	✓	✓
	CW 45	45	485	3/16"	50'	✓	✓	✓
	CW 90	90	970	3/8"	50'	✓	✓	-
Heavy Duty	CW 300	300	3,225	3/4", 1"	-	✓	✓	-
	CW 600	600	6,450	2"	-	✓	✓	-
	CW 900	900	9,675	3"	-	-	✓	-
	CW 1200	1,200	12,900	4"	-	-	✓	-

D-Mark has a policy of continuous product improvement and reserves the right to make changes in designs and specifications without notice.

Also Available:

In addition to the standard filter products shown above, D-Mark offers filters with customized CarbonWeb media for special odor control applications.

Examples of frequently requested media with carbon and other adsorbents:

CW Plus— filled with a 50/50 blend (by volume) of granular activated carbon and activated alumina impregnated with potassium permanganate.

CW Alumina — filled with 100% activated alumina impregnated with potassium permanganate.

Triple Blend— filled with granular activated carbon, impregnated activated alumina and Zeolite, equally blended by volume.



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