

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

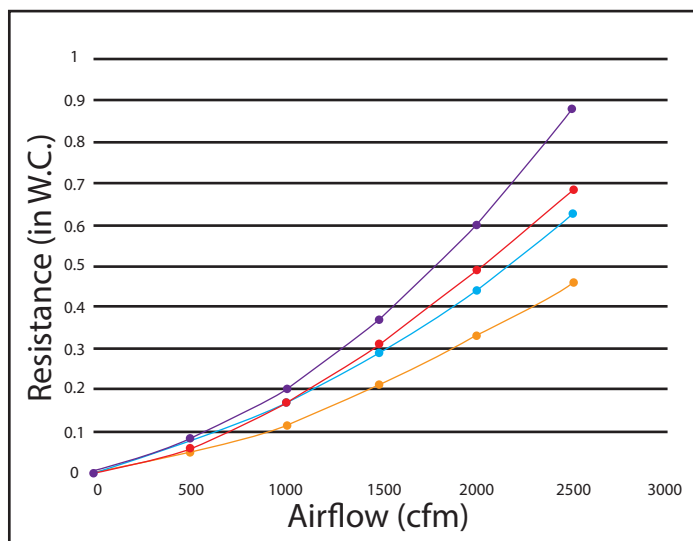
Model	Description	Nominal	GAC Carbon Weight	Particulate Layer	Initial Resistance (in w.g.)		MERV	Final Resistance WG
					300 FPM	500 FPM		
CarbonWeb LD	CTC 60 High Activity Carbon	24x24x2	215 gsm	No	0.21	0.33	7	1.20"
CarbonWeb MD	CTC 60 HAC-Particulate Layer	24x24x2	323 gsm	Yes	0.31	0.49	8	1.20"
CarbonWeb 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

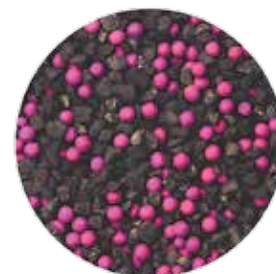
Available Standard Sizes

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

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RENSA FILTRATION

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CarbonWeb® CA-13 Gas & Particulate Pleat

CarbonWeb® CA-13 combination particulate and gas pleated filter is designed to remove airborne particulate and mitigate nuisance gaseous odors and fumes entering a buildings HVAC system from an outside source.

CA-13 is constructed with dual-layer media consisting of a MERV 13 synthetic layer to achieve LEED level efficiency, and 200 gsm of High Activity Carbon (HAC) to remove and control lower concentrations of noxious gases and fumes without system modification.

The expansive HAC surface area from fine mesh carbon greatly increases the dwell time required to capture unwanted and harmful gases with first-pass efficiency.

MERV 13 rated filters have a dust spot removal efficiency of 80-90% and are highly efficient filters for commercial and industrial use, removing a higher range of particles for a cleaner environment in occupied spaces.

CarbonWeb media is designed and manufactured in the USA to exacting standards.



CarbonWeb CA-13 is constructed with a dual-layer MERV 13 particulate and 200 gsm of High Activity Carbon

Commercial Buildings and Office Space
Congested Traffic Areas - City Locations
Buildings with Air Intakes Near Freeways
Restaurant and Food Odors
Arenas
HVAC System IAQ Upgrade Without Modification

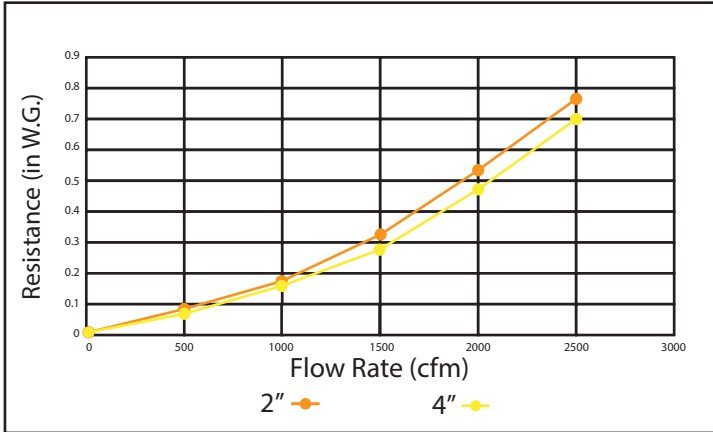
Model	Nominal Size	High Activity Carbon/PP	Case Weight	Initial Resistance WC	Initial MERV	Final Resistance WG
CarbonWeb CA-13				500 FPM		
CWCA-13-02-050-08	24x24x2	200 gsm	12.7 LBS	0.53"	13	1.2"
CWCA-13-04-100-08	24x24x4	200 gsm	10.3 LBS	0.47"	13	1.2"

CarbonWeb® CA-13

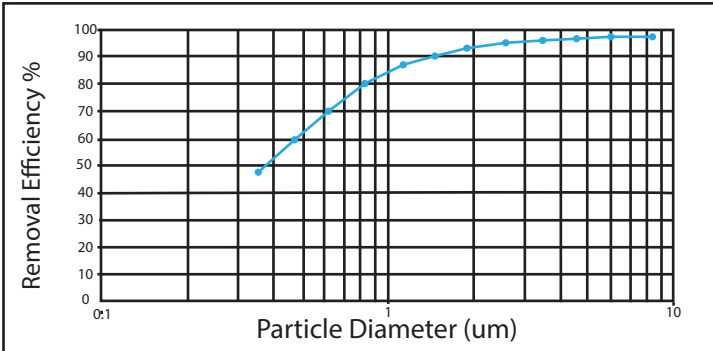
RENSA FILTRATION

CarbonWeb® CA-13

Performance Data



Initial Particle Size Removal Efficiency



Available Standard Sizes

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

Special Sizes Available



Universities



Restaurants



Office



Hospital



High Traffic

Specifications

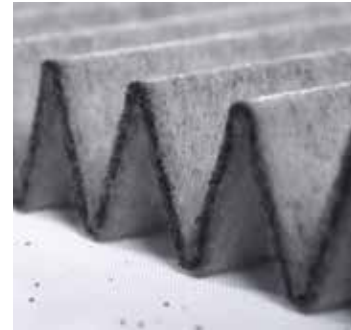
Media: Dual-layer combination media consisting of a MERV 13 synthetic particulate layer laminated to a 200 gsm High Activity Carbon 20x50 mesh layer.

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

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.



MERV 13 Layer
Bonded to 200 gsm
Carbon Matrix with
Support Scrim