

CarbonWeb® CP MERV 15 Rigid Filter

D-Mark **CarbonWeb® CP MERV 15** rigid filter is specifically designed to remove both gaseous pollutants and provide a high level of fine airborne particulate filtration efficiency to air entering a buildings HVAC system.

CarbonWeb® CP MERV 15 utilizes a specifically engineered blend of 500 gsm high activity carbon and a synthetic high efficiency particulate layer. The combination media addresses both molecular and particulate contaminants in a single filter, eliminating the need for multiple filter stages.

Effective elimination of odor and gasses often require high levels of particulate filtration as contaminants can adhere to airborne particles not adsorbed or captured by carbon media.

Open flow design and engineered pleat spacing minimize resistance to air flow and increase the filter life-cycle. Rigid design can be used in VAV or constant velocity HVAC systems.



Partial List of Contaminants and Applications Effectively Neutralized with Carbon & Particulate Composite Media

Diesel Exhaust	Helipads
Greenhouse	Organic Chemicals
Cigarette Smoke	Ozone
Asphalt Fumes	Airports
Cooking Odors	Office Buildings
Disinfectants	Sewer Odors
Food Aromas	Vapors
Hospitals	Industrial

Model	Nominal Size	Media area	Weight Each	Initial Resistance WG		Estimated Initial MERV	Final Resistance WG
				300 FPM	500 FPM		
CarbonWeb CP-15 Box				300 FPM	500 FPM		
HVHMC-12-800-01	12x24x12	29.0	12.5	0.14	0.25	15	1.2
HVHMC-12-800-05	20x20x12	39.9	17.3	0.14	0.25	15	1.2
HVHMC-12-800-06	20x24x12	48.3	21.0	0.14	0.25	15	1.2
HVHMC-12-800-08	24x24x12	58.7	25.0	0.14	0.25	15	1.2
CarbonWeb CP-15 SH							
HVHMCH-12-800-01	12x24x12	29.0	12.0	0.19	0.32	15	1.2
HVHMCH-12-800-05	20x20x12	39.9	16.6	0.19	0.32	15	1.2
HVHMCH-12-800-06	20x24x12	48.3	20.0	0.19	0.32	15	1.2
HVHMCH-12-800-08	24x24x12	58.7	24.0	0.19	0.32	15	1.2

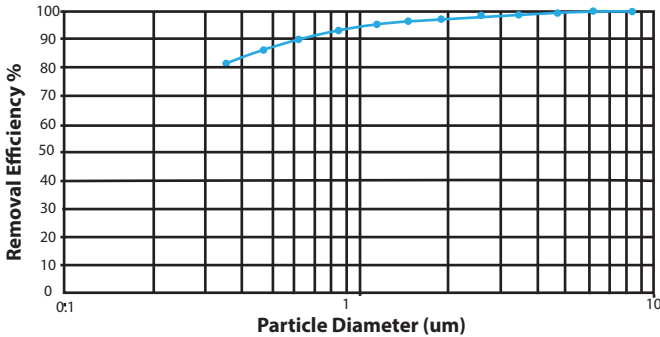
CarbonWeb® Patented Filter Media

RENSA FILTRATION

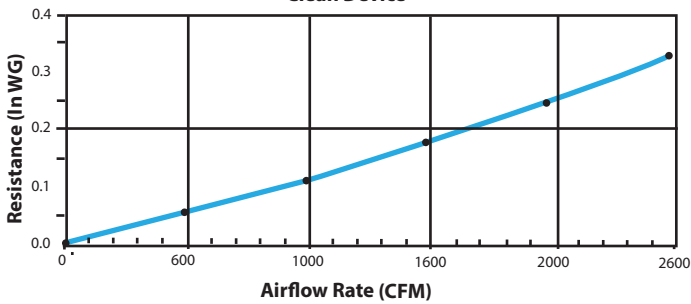
CarbonWeb® CP MERV 15 Carbon Rigid Filter

Performance Data

Initial Particle Size Removal Efficiency



Air Flow vs Resistance Clean Device



Specifications

Media: CarbonWeb CP media is an engineered composite of 500 gsm High Activity Carbon material laminated with a synthetic MERV 15 grade particulate media.

Frame: 26 gauge galvanized steel frame with diagonal support struts. Optional high impact plastic frame available.

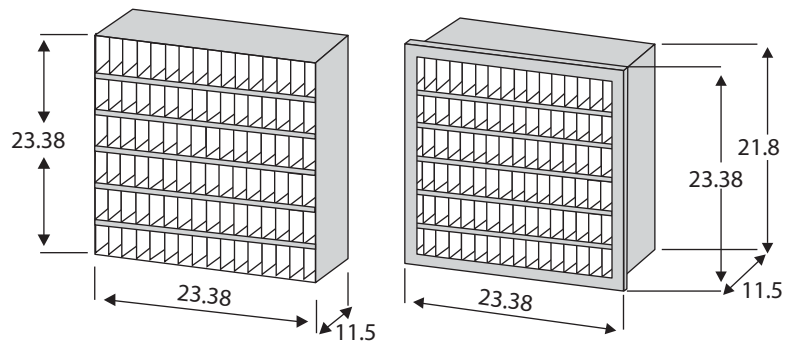
Sealant: Media pack shall be bonded to frame utilizing moisture resistant adhesive for continuous seal.

Gasketing: Optional premium closed cell neoprene gasket available.

Maximum Operating Temp: 140F.



Dual Layer Composite of Carbon and Particulate Media



Greenhouse



Office



Hospital



Industrial



Airport



Diesel Fume



Sewer Gas

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RENSA FILTRATION

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