

OdorKleen™ 250

High Efficiency MERV 8 Carbon/Particulate Filter



FEATURES

Patented, media-carbon will not settle

MERV 8 efficiency

Great particulate efficiency

Superior odor removal

Low pressure drop

Virtually no dusting

OdorKleen 250

OdorKleen 250 offers superior performance in gaseous and odor adsorption, as well as excellent particulate filtration. This "combination" product contains 250gsm of carbon product attached to a high efficiency cotton-polyester media blend of granular activated carbon and activated alumina impregnated with potassium permanganate.

The Gas-Phase Filtration Media "CarbonWeb"® technology is an efficient, carbon filled media fibers that provide low resistance and a high capacity. Its gas phase, 60% activity granular activated carbon has nearly five million square feet of surface area per pound. Either alone or in combination the media fibers is filled with odor control granular activated carbon and other types of absorbents for gaseous pollutants. The result is high-efficiency filtration for a variety of challenges. Unlike many competitors' products, the "flexible carbon filled media" bonds between the fiber in the OdorKleen 250 and only uses approximately 1% of the carbon's surface area. This maximizes the exposure of the gas contaminant to the carbon.

The 3/8" light/medium duty media layer used to capture the particulate contaminants is made up of a cotton-polyester blend that is carbon filled fibers. The combination of the two distinct medias give the filter an efficiency rating of MERV 8, while maintaining a low pressure drop unlike competitors' products.

The OdorKleen 250 can be used in several types of applications:

- Chemical Storage
- Commercial Office Buildings
- Laboratories
- Sports Arenas
- Museums and archives
- Smoking Lounges
- Pharmaceutical
- Casinos
- Hospitals
- Laminate Adhesive
- Airports
- IAQ Emergency
- Industrial Facilities

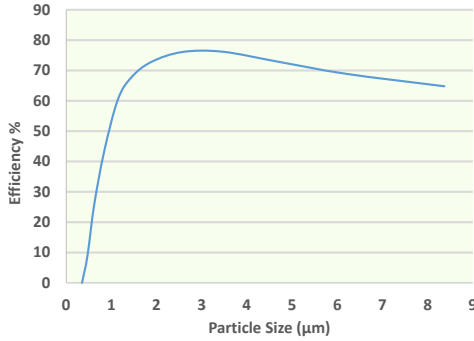


Gas contaminants must pass through tortuous pathways coming in intimate contact with the carbon. The fibers anchor themselves to the carbon using only 1% of the carbon's surface helping to maximize the contaminant's exposure.

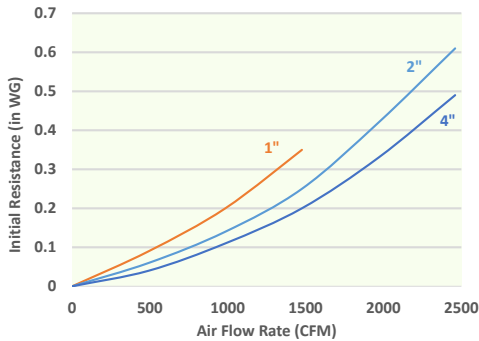
OdorKleen™ 250 Performance Data

Filter Depth	Air Velocity	Initial Resistance (inches w.g.)	Final Resistance (inches w.g.)	Pleats Per Linear Foot
1"	300 FPM	0.35	1.2	12
2"	500 FPM	0.41	1.2	10
4"	500 FPM	0.33	1.2	9

Initial Resistance vs. Air Flow Rate



Efficiency by Particle Size



OdorKleen™ 250 Specifications

Filter Depth	1", 2", 4"
Efficiency	MERV 8
Media	100% Synthetic Carbon Impregnated Media
Media Support	Self-Supporting
Frame Type	Beverage Board
Max Operating Temperature	180°F (93°C)
Recommended Final Resistance	1.2" w.g.

Engineering Specifications

1.0 General Specifications

- 1.1 Filters shall be OdorKleen 250 extended surface pleated air filters as manufactured by Koch Filter.
- 1.2 Filters shall be available in nominal depths of 1", 2", and 4".

2.0 Filter Material and Construction

- 2.1 Media shall be 100% synthetic carbon impregnated mechanical media.
- 2.2 Filter media is self-supporting.
- 2.3 Filter frame shall be comprised of a high wet strength beverage board with a cross member designed to increase filter strength and rigidity. Frame shall be recyclable.

3.0 Filter Performance

- 3.1 Filters shall be MERV 13 when tested in accordance with ASHRAE 52.2 Test Standard.
- 3.2 For initial resistance of filters, see Performance Data chart above.
- 3.3 Filters shall be rated to withstand a continuous operating temperature up to 180°F.
- 3.4 Filters shall have a recommended final resistance of 1.2" w.g.

Part Number	Nominal Size*	Capacity (CFM)	
	WxHxD	300 FPM	500 FPM
102-792-12241	12x24x1	600	1000
102-792-14251	14x25x1	725	1450
102-792-16201	16x20x1	675	1000
102-792-16251	16x25x1	850	1125
102-792-18241	18x24x1	900	1400
102-792-20201	20x20x1	850	1500
102-792-20241	20x24x1	1000	1400
102-792-20251	20x25x1	1000	1675
102-792-20301	20x30x1	1250	2083
102-792-24241	24x24x1	1200	2000
Part Number	WxHxD	500 FPM	625 FPM
102-792-012	12x24x2	500	625
102-792-016	16x20x2	1000	1250
102-792-017	16x25x2	1125	1400
102-792-018	18x24x2	1400	1750
102-792-019	20x20x2	1500	1875
102-792-020	20x24x2	1400	1750
102-792-021	20x25x2	1675	2100
102-792-022	24x24x2	1750	2175
Part Number	WxHxD	500 FPM	625 FPM
102-792-023	12x24x4	1000	1250
102-792-025	16x20x4	1125	1400
102-792-026	16x25x4	1400	1750
102-792-027	18x24x4	1500	1875
102-792-028	20x20x4	1400	1750
102-792-029	20x24x4	1675	2100
102-792-030	20x25x4	1750	2175
102-792-031	24x24x4	2000	2500