OdorKleen™ 600

High Efficiency MERV 10 Carbon/Alumina Pleated Filter

FEATURES

- Superior odor removal
- Low pressure drop
- Virtually no dusting
- Great particulate efficiency
- MERV 10 efficiency
- Contains a 50/50 blend of CTC 60 carbon and activated alumina with 5% potassium permanganate $KMn^{0}4$
- Designed to remove ammonia, formaldehyde, sulfer dioxide and hydrogen sulfide

OdorKleen 600

OdorKleen 600 offers superior performance in gaseous and odor adsorption, as well as excellent particulate filtration. This "combination" product contains 592 gsm of granular activated carbon and activated alumina impregnated with potassium permanganate carbon attached to a high efficiency polyester media.

The OdorKleen 600 "CarbonWeb®" media is an efficient, carbon filled media that provides low resistance to airflow and a high capture rate of gaseous odors. Its 50/50 blend of CTC 60 Carbon and Activated Alumina with 5% Potassium Permanganate has nearly five million square feet of surface area per pound. The result is high-efficiency filtration for a variety of challenges. Unlike many competitors' products, the "flexible carbon filled media" bonds between the fibers in the OdorKleen 600 and only uses approximately 1% of the carbon's surface area. This maximizes the exposure of the gas contaminant to the carbon.

The efficiency layer used to capture particulate contaminants is made up of a polyester blend. The combination of the two distinct medias give the filter an efficiency rating of MERV 10, while maintaining a low pressure drop unlike competitors' products.

The OdorKleen 600 can be used in several types of applications:

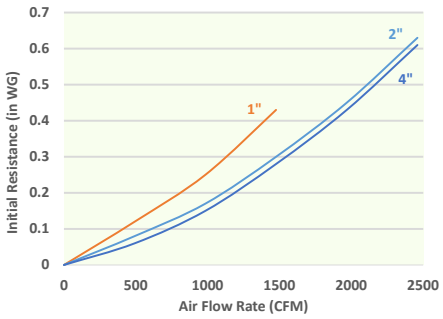
- Chemical Storage
- Laboratories
- Museums and Archives
- Pharmaceutical
- Hospitals
- Airports
- Industrial Facilities
- Commercial Office Buildings
- Sports Arenas
- Smoking Lounges
- Casinos
- Laminate Adhesives
- IAQ Emergency

KOCH FILTER
PURE PERFORMANCE

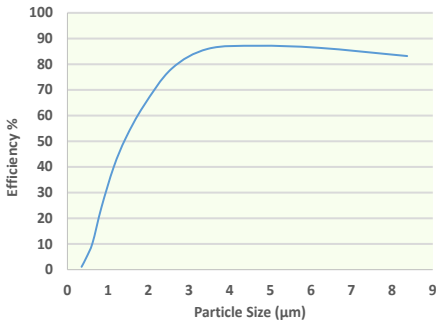
OdorKleen™ 600 Performance Data

Filter Depth	Air Velocity	Intial Reistance (inches w.g.)	Final Resistance (inches w.g.)	Pleats Per Linear Foot
1"	300 FPM	0.32	1.0	15
2"	500 FPM	0.45	1.0	14
4"	500 FPM	0.44	1.0	9

Initial Resistance vs. Air Flow Rate



Efficiency by Particle Size



Part Number	Nominal Size*	Capacity (CFM)	
	WxHxD	300 FPM	500 FPM
102-796-12121	12x12x1	300	500
102-796-12241	12x24x1	600	1000
102-796-16201	16x20x1	675	1125
102-796-16251	16x25x1	850	1400
102-796-18241	18x24x1	900	1500
102-796-20201	20x20x1	850	1400
102-796-20241	20x24x1	1000	1675
102-796-20251	20x25x1	1000	1750
102-796-24241	24x24x1	1200	2000
High Cap	**WxHxD**	**500 FPM**	**625 FPM**
102-796-12122	12x12x2	500	625
102-796-012	12x24x2	1000	1250
102-796-016	16x20x2	1125	1400
102-796-017	16x25x2	1400	1750
102-796-018	18x24x2	1500	1875
102-796-019	20x20x2	1400	1750
102-796-020	20x24x2	1675	2100
102-796-021	20x25x2	1750	2175
102-796-022	24x24x2	2000	2500
High Cap	**WxHxD**	**500 FPM**	**625 FPM**
102-796-023	12x24x4	1000	1250
102-796-025	16x20x4	1125	1400
102-796-026	16x25x4	1400	1750
102-796-027	18x24x4	1500	1875
102-796-028	20x20x4	1400	1750
102-796-029	20x24x4	1675	2100
102-796-030	20x25x4	1750	2175
102-796-031	24x24x4	2000	2500

OdorKleen™ 600 Specifications

Filter Depth	**1", 2", 4"**
Efficiency	**MERV 10**
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.**
Filter Certification	**UL 900**

Engineering Specifications

1.0 General Specifications

1.1 Filters shall be OdorKleen 600 extended surface pleated air filters as manufactured by Koch Filter.
1.2 Filters shall be available in nominal depths of 1", 2", and 4".
1.3 Filters are classified by Underwriters Laboratories to UL 900.

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 10 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.

8401 Air Commerce Drive, Louisville KY 40219 | toll free: 800.757.5624 | phone: 502.634.4796 | Fax: 502.969.2364
info@kochfilter.com | www.kochfilter.com

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