



Koch Filter Corporation
Filtration Products Crafted with Pride

Bulletin No. PB-1201

OdorKleen 250™

High Efficiency MERV 8 Carbon/Particulate Filter



Features

- Uses Celbond Particulate Structures (CPS™) Technology
- MERV 8 – Great particulate efficiency
- More odor catching surface area with less weight
- Low pressure drop
- Virtually no dusting

New Design—Superior Performance

OdorKleen 250 offers superior performance in gas 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.

The Gas-Phase Filtration Media layer is based on the Celbond Particulate Structures (CPS™) technology, which suspends activated carbon in a uniform distribution throughout a tightly bonded three dimensional network of bicomponent fibers.

Unlike many competitors’ products, the bond between the fiber and the carbon in the OdorKleen 250 only uses approximately 1% of the carbon’s surface area. This maximizes the exposure of the gas contaminant to the carbon.

The media layer used to capture the particulate contaminants is made up of a cotton — polyester blend that is attached to the carbon media.

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 offers many can be used in several types of applications:

- Chemical Storage Rooms
- Laboratories
- Museums and archives
- Pharmaceutical
- Hospitals
- Airports
- Industrial Facilities
- Commercial Office Buildings
- Sports Arenas
- Smoking Lounges /Bars
- Casinos



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.

Corporate Offices

P.O. Box 3186 • 625 West Hill Street (40208) • Louisville, KY 40201 • 502.634.4796 • Fax: 502.637.2280 • E mail: info@kochfilter.com • www.kochfilter.com

Local Sales Offices/ Distribution Centers

Louisville • Charlotte • Cincinnati • Denver • Houston • Indianapolis • Kansas City • Nashville • St. Louis

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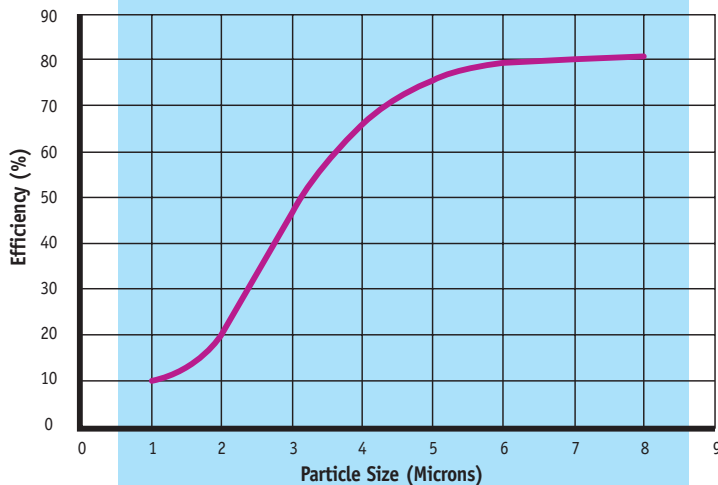
OdorKleen 250™ Technical Data

Bulletin No. PB-1201

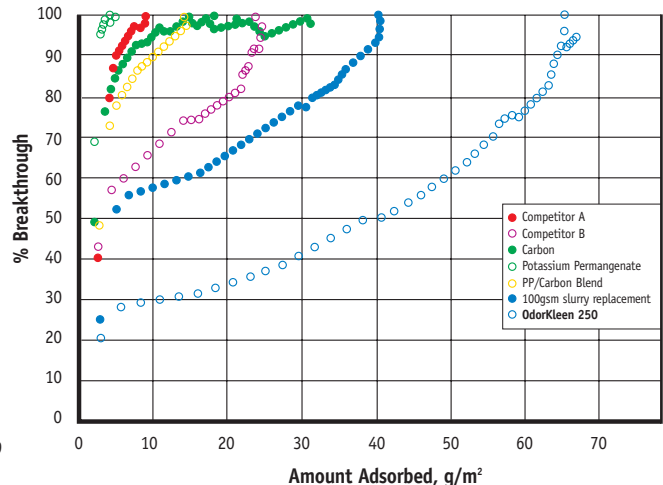
Size (Nominal) Area	Size (Actual)	Capacity (CFM) 300/500/625 FPM	Initial Resistance (in W.G.) 300/500/625 FPM	Gross Media (Sq.Ft.)
12x24x2	11 ³ / ₈ x 23 ³ / ₈ x 1 ³ / ₄	600/1000/1250	.20/ .42/.61	8.46
14x20x2	11 ¹ / ₂ x 19 ¹ / ₂ x 1 ³ / ₄	590/980/1220	.20/ .42/.61	8.56
14x25x2	13 ¹ / ₂ x 24 ¹ / ₂ x 1 ³ / ₄	730/1220/1525	.20/ .42/.61	10.70
15x20x2	14 ¹ / ₂ x 19 ¹ / ₂ x 1 ³ / ₄	630/1050/1310	.20/ .42/.61	9.06
16x20x2	15 ¹ / ₂ x 19 ¹ / ₂ x 1 ³ / ₄	670/1120/1400	.20/ .42/.61	9.57
16x24x2	15 ¹ / ₂ x 23 ³ / ₈ x 1 ³ / ₄	800/1340/1670	.20/ .42/.61	11.48
16x25x2	15 ¹ / ₂ x 24 ¹ / ₄ x 1 ³ / ₄	840/1400/1750	.20/ .42/.61	11.96
18x24x2	17 ¹ / ₂ x 23 ¹ / ₂ x 1 ³ / ₄	900/1500/1875	.20/ .42/.61	13.85
20x20x2	19 ¹ / ₂ x 19 ¹ / ₂ x 1 ³ / ₄	840/1400/21750	.20/ .42/.61	12.08
20x24x2	19 ¹ / ₂ x 23 ¹ / ₂ x 1 ³ / ₄	1000/1670/2090	.20/ .42/.61	14.50
20x25x2	19 ¹ / ₂ x 24 ¹ / ₂ x 1 ³ / ₄	1040/1740/2170	.20/ .42/.61	15.10
24x24x2	23 ³ / ₈ x 23 ³ / ₈ x 1 ³ / ₄	1200/2000/2500	.20/ .42/.61	17.52
25x25x2	24 ¹ / ₂ x 24 ¹ / ₂ x 1 ³ / ₄	1310/2170/2720	.20/ .42/.61	18.88

12x24x4	11 ³ / ₈ x 23 ³ / ₈ x 3 ³ / ₄	600/1000/1250	.15/ .33/.49	13.98
16x20x4	15 ¹ / ₂ x 19 ¹ / ₂ x 3 ³ / ₄	670/1120/1400	.15/ .33/.49	15.89
16x25x4	15 ¹ / ₂ x 24 ¹ / ₂ x 3 ³ / ₄	840/1400/1750	.15/ .33/.49	19.86
18x24x4	17 ¹ / ₂ x 23 ¹ / ₂ x 3 ³ / ₄	900/1500/1875	.15/ .33/.49	21.18
20x20x4	19 ¹ / ₂ x 19 ¹ / ₂ x 3 ³ / ₄	840/1400/1750	.15/ .33/.49	19.06
20x24x4	19 ¹ / ₂ x 23 ³ / ₈ x 3 ³ / ₄	1000/1670/2090	.15/ .33/.49	22.88
20x25x4	19 ¹ / ₂ x 24 ¹ / ₂ x 3 ³ / ₄	1050/1750/2170	.15/ .33/.49	23.83
24x24x4	23 ³ / ₈ x 23 ³ / ₈ x 3 ³ / ₄	1200/2000/2500	.15/ .33/.49	27.96

Efficiency by Particle Size



Slurry Flat Sheet Test – 80ppm Toluene



The Koch OdorKleen 250 well exceeds adsorption values against typical slurry-type filters.

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