



**Koch Filter Corporation**  
Filtration Products Crafted with Pride



# KR-1™ Diffusion Panel



External X-wire design

Heat-sealed design with internal wire

The **Koch KR-1 Diffusion Panel** is designed to provide maximum protection against airborne migration of dirt particles that can damage a quality finish in cross-draft and down-draft paint spray booths.

### Features and Benefits

- Utilizes a progressive density fiber matrix to provide exceptional performance in surface finishing operations
- Prevents particle migration and creates unparalleled holding capacity that is superior to other competitive diffusion media
- The KR-1 panel is also available in blanket and pad configurations
- Available with internal or external support grid

### Applications

- Aerospace
- Automotive Manufacturing
- Automotive Aftermarket
- Furniture Manufacturing
- Appliance Manufacturing
- Contract Coaters

### Product Performance Data

<b>Initial Resistance</b>	.03" w.g. @ 100 fpm
<b>Average Efficiency @ 5 microns</b>	99.7%
<b>Average Efficiency @ 8 microns</b>	99.9%
<b>Thickness</b>	0.90"
<b>Basis Weight</b>	400 grams/m <sup>2</sup>
<b>UL Classification</b>	Class 2, Standard 900
<b>Dust Holding Capacity</b>	147 grams
<b>Recommended Final Pressure Drop</b>	1.00" w.g.

\* NESHAP (National Emission Standards for Hazardous Air Pollutants – 40 CFR 63)

\*\* MACT (Maximum Achievable Control Technology)

### Features

- Progressive density fiber matrix
- Prevents particle migration
- Unparalleled holding capacity
- Available in panel, blanket and pad configurations

**Koch Filter Corporation...Durable. Reliable. Versatile.**



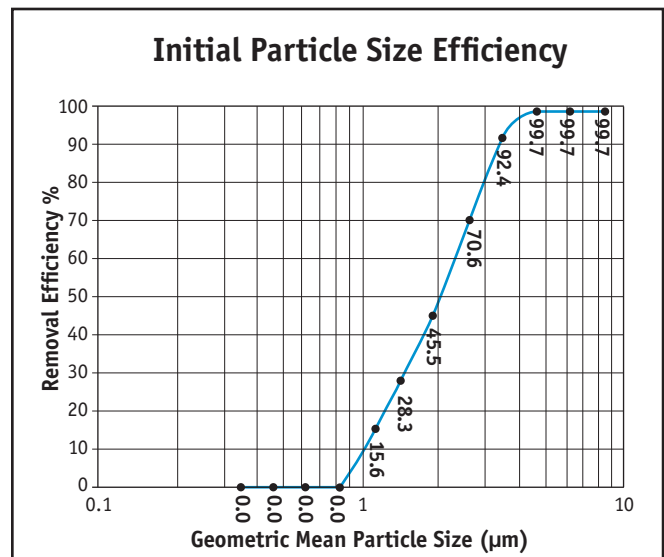
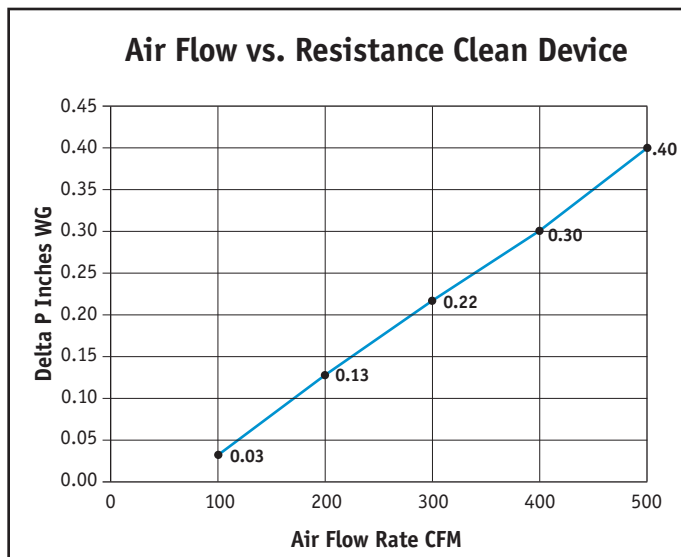
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## Product Listing

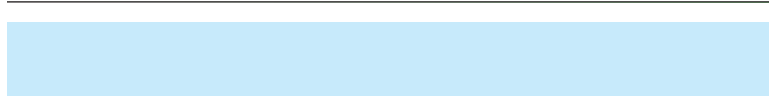
Model Number	Description	Nominal Size (In Inches)	Quantity Per Carton
KR1X-2020-01	KR-1 Polyester Diffusion Panel, with External "X" Wire	20 x 20"	24
KR1X-2025-01	KR-1 Polyester Diffusion Panel, with External "X" Wire	20 x 25"	24
KR1X-2424-01	KR-1 Polyester Diffusion Panel, with External "X" Wire	24 x 24"	24
KR1H-2020-01	KR-1 Polyester Diffusion Panel, with Internal, Heat Sealed Wire	20 x 20"	24
KR1H-2025-01	KR-1 Polyester Diffusion Panel, with Internal, Heat Sealed Wire	20 x 25"	24
KR1H-2424-01	KR-1 Polyester Diffusion Panel, with Internal, Heat Sealed Wire	24 x 24"	24

Please consult the factory for other sizes and configurations

## Performance Data



NESHAP (National Emission Standards for Hazardous Air Pollutants)  
 MACT (Maximum Achievable Control Technology)



### Corporate Offices

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### Regional Sales Offices/Distribution Centers

Atlanta, GA • Detroit, MI • East Greenville, PA\* • Houston, TX\* • Indianapolis, IN  
 Kansas City, MO • Louisville, KY\* • Madbury, NH • Nashville, TN • Rancho Cucamonga, CA\*

\*Denotes manufacturing site.

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Koch Filter Corporation maintains a policy of continuous product research and improvement, and retains the right to change product specification and design without notice.



Look for the Koch Green icon! Whenever you see the Koch Green icon, we are identifying a product that meets or exceeds our criteria in one or more of the following categories: Earns LEED Points, Reduces Energy Costs, Extends Filter Lifecycles, Conserves Resources, and Improves Indoor Environmental Quality.

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