



KITCHENS

Critical
environments

Air Dispersion Solutions for
Commercial and Industrial Kitchens
& Food Preparation Environments

DUCTSOX[®]
Textile Air Dispersion Products



KITCHENSOX™

KitchenSox are textile air dispersion products that provide unique solutions for commercial and industrial kitchens & food preparation environments.

- ▶ Air is evenly dispersed through highly porous fabric, eliminating drafts and condensation.
- ▶ Dirt deposits on the diffuser and adjacent ceiling tiles are reduced.
- ▶ Fabric panels can be easily removed for laundering.

Effluent, heat, and odors can quickly contaminate kitchens and food prep areas. There are many common problems associated with poor air dispersion—problems that can occur even when proper exhaust equipment is in place. KitchenSox can alleviate the following:

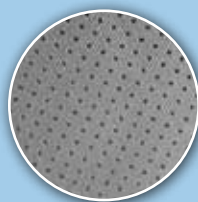
- ▶ Localized drafts affecting hood performance and employee comfort.
- ▶ Potential dirt and grease deposits on the diffuser face and nearby ceiling tiles.
- ▶ Condensation on diffuser may raise health risks.



The fabric panel can be easily removed for maintenance. 24x48 (610x1220mm) MetalPan model with Rx fabric shown.

FABRIC OPTIONS

DT fabrics offer a silver color choice in a low maintenance, micro-perforated polyester fabric. Open outlets minimize filtering and extend periods between maintenance.



Rx fabrics feature an antimicrobial treated, air permeable woven fabric. The lightweight fabric can be easily cleaned and offers secondary filtration for make up air.





“ HOOD SPILLAGE IS REALLY A COMMON PROBLEM MANY RESTAURANTS SUFFER FROM AND MOST DON'T REALIZE THERE'S A SIMPLE, INEXPENSIVE SOLUTION...IT WAS ACTUALLY A VENTILATION PROBLEM THAT FABRIC DUCTWORK SOLVED. ”

*Kevin Gin, Executive Chef
Bridges Restaurant & Bar, Danville, CA*

APPLYING FABRIC

DuctSox were initially developed to disperse refrigerated airflow in food processing facilities. Kitchens are different, but benefit from the fabric in many of the same ways. Generally smaller in size, sizing and locating the textile air dispersion panels in kitchens can be a challenge. To be flexible for optimum design, KitchenSox solutions are available in a wide variety of products.



MetalPan

Easily removed fabric face capable of up to 1,000 CFM (472 l/s) per. Sizes of 24x24 (610x610mm) or 24x48 (610x1220mm).

All-Fabric

Easily removed fabric face and backpanel capable of up to 1,000 CFM (472 l/s) per. Sizes of 24x24 (610x610mm), 24x48 (610x1220mm), 24x96 (610x2440mm) or custom.

Half Round

For finished ceiling, larger dispersion panel for higher volume. Airflow enters from top or end. Custom.

Quarter Round

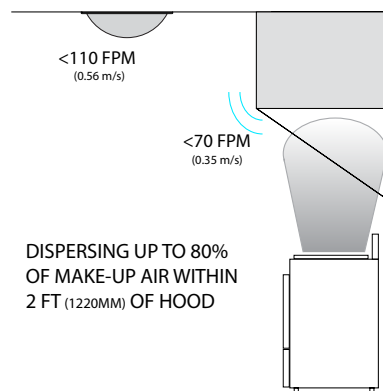
For finished ceiling/wall location, larger dispersion panel for higher volume. Airflow enters from top, back or end. Custom.

Cylindrical

For open or high ceiling applications, system acts as duct and diffuser. Custom.

SMOKE TESTING

Optimum capture requires uniform airflow without excessive velocity. With KitchenSox D-Fusers, more of the make-up air can be delivered closer to the fume hood without impacting performance.



PERFORMANCE PROVEN

In kitchen environments, high velocity air dispersion disrupts hood capture performance. The Food Service Technology Center's research revealed that airflow supplied by fabric in kitchen areas ensures containment at lower airflow rates when compared to traditional four-way style diffusers.

During testing, hood capture with KitchenSox products neared results of adjacent wall-mounted displacement diffusers. Beyond better performance than normal ceiling-mounted diffusers, the improved capture may allow users to reduce airflow rates and maintain capture at lower flow rates. As a result, easing energy costs.

For more information on the complete study or design recommendations for your application, please contact us at 866-382-8769.



Image provided by Food Service Technology Center.

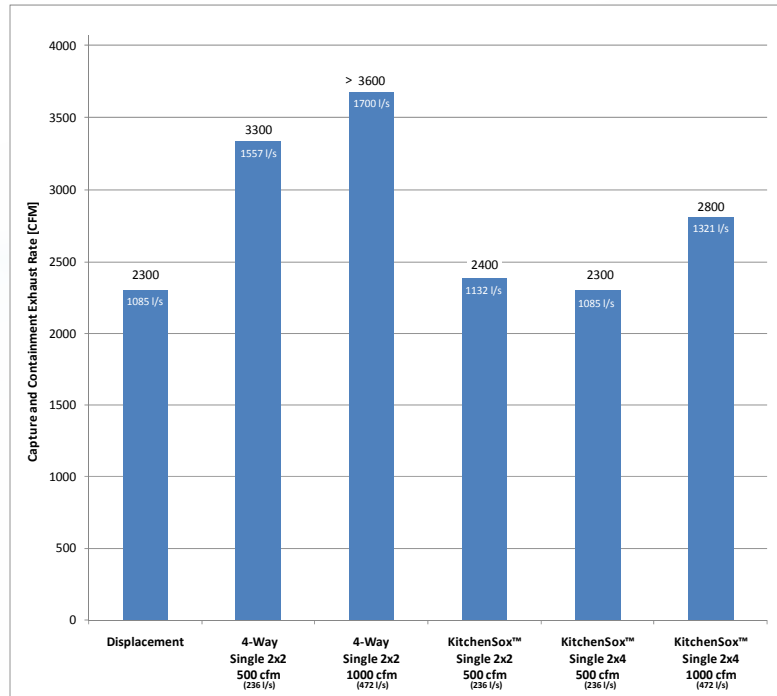


Chart provided by Food Service Technology Center.

DUCTSOX CORPORATION

- ▶ Leading manufacturer of textile air dispersion products
- ▶ Global manufacturing and distribution
- ▶ Design and installation support

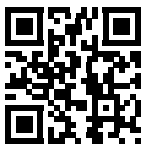


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DUCTSOX[®]
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To find a DuctSox representative, please scan

Products may be covered by one or more of the following patents: 6565430, 6558250, 5769708, 6425417, 6626754, 6280320, 6960130, 6958011, 6953396, and 8434526. Other patents pending.

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