

# SPRAY BOOTH FILTRATION PRODUCTS

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Spray Booth Filters

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Intake/Air Filters

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Activated Carbon Products & Accessories

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This filter meets GACT for Area Sources under 40 CFR PART 63 SUBPART HHHHHH. (>98% EFFICIENT when tested by ASHRAE Method 52.1 in accordance with the NESHAP Paint Stripping and Miscellaneous Surface Coating at Area Sources)

*Performance Engineered Air Filter Products*  
 **Columbus  
Industries, Inc.**



# Paint Collector Performance Ranges

			OVERSPRAY REMOVAL EFFICIENCY*/HOLDING CAPACITY										
		Initial Resistance		Air Dry		High Solids Bake Dry		Waterborne		Adhesive		Automotive Clearcoat/Basecoat	
Product		100 FPM	150 FPM	Efficiency*	Holding Cap.*	Efficiency*	Holding Cap.*	Efficiency*	Holding Cap.*	Efficiency*	Holding Cap.*	Efficiency*	Holding Cap.*
Expanded Paper	Standard	0.015	0.025	97.0%	2.50#	98.0%	4.25#	97.0%	3.65#	97.6%	4.37#	97.0%	3.80#
	High Cap	0.015	0.025	97.5%	5.00#	98.5%	8.10#	97.5%	7.00#	98.5%	8.37#	97.5%	7.92#
	Supra I	0.050	0.090	99.0%	4.35#	99.8%	5.60#	99.0%	4.90#	99.9%	5.86#	98.5%	5.11#
	Supra II	0.040	0.065	98.5%	4.65#	99.0%	6.00#	98.5%	5.20#	99.5%	6.22#	98.5%	5.41#
	Supra A	0.050	0.090	99.0%	4.40#	99.8%	5.65#	99.0%	5.00#	99.8%	5.97#	99.0%	5.20#
	High Cap Supra I	0.055	0.095	99.0%	7.50#	99.8%	9.00#	99.0%	8.20#	99.9%	9.80#	98.0%+	8.54#
	High Cap Supra II	0.045	0.070	98.5%	8.50#	99.0%	10.00#	98.5%	9.20#	99.5%	11.00#	98.0%	9.58#
	High Cap Supra A	0.055	0.095	99.0%	7.60#	99.8%	9.00#	99.0%	8.30#	99.8%	9.92#	99.0%	8.64#

		Initial Resistance††		Air Dry	High Solids Bake Dry	Waterborne	Adhesive	Automotive Clearcoat/Basecoat
Product		100FPM	150FPM					
SL-75WC	Polyester	0.020	0.035	97.0%	98.0%	97.0%	98.0%	97.0%
SL-100WC		0.030	0.050	98.0%	98.5%	98.0%	98.5%	98.0%
SL-100PSG		0.025	0.050	98.7%	99.0%	98.7%	99.0%	98.7%
SL-100PS		0.040	0.070	99.0%	99.5%	99.0%	99.5%	99.0%
SL-150HDPS		0.040	0.070	99.3%	99.8%	99.3%	99.8%	99.3%
SL-DP1	Cube/Pocket Filters	0.030	0.050	99.5%	99.9%	99.4%	99.9%	99.4%
SL-DP2		0.020	0.030	99.7%	99.7%	99.0%	99.7%	99.0%
SL-50WB		0.030	0.050	98.0%+	98.0%+	98.0%+	98.0%+	98.0%+
SL-65B		0.110	0.170	98.0%+	98.0%+	98.0%+	98.0%+	98.0%+
SL-92B		0.120	0.200	99.8%	99.4%	99.8%	99%+	99.9%
SL-100PSB		0.015	0.030	98.0%+	98.0%+	98.0%+	98.0%+	98.0%+
SL-45B		0.050	0.085	98.0%+	98.0%	98.0%+	98.0%+	89.4%
SL-50B		0.060	0.095	98.0%+	99.3%	98.0%+	98.0%+	95.4%
SL-DP5		0.030	0.045	98.0%+	98.0%+	98.0%+	98.0%+	98.0%+

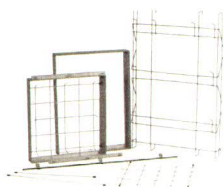
\* Estimated Average performance - Contact CI staff for specific data and comparisons.

## Accessories



### BOOTH FLOORCOVERING

CI's Booth Floor Coverings are a diverse and multi-functional line of quality spray booth sheetings that provide a clean and safe spray booth environment. The cost-effective product lines facilitate an economic and convenient disposal of accumulated overspray residue. Each product can be cut and trimmed to fit desired spray booth surfaces, and can protect the booth floor from all paint spray applications from lacquers to high solids and beyond. CI Booth Floor Coverings are available in a wide variety of widths and grades of durability. Available in white or brown. Some versions are flame resistant.



### BOOTH CONVERSION HARDWARE

CI offers a convenient, economical overspray collector module package and roll conversion strips that take the time, manpower, and cost out of spray booth conversions or the development and assembly of a new booth. These simple, efficient systems, when combined with the properly supplied specified CI collectors, will keep ducts, exhaust fans and stacks clean.

Additional:

- 24" x 36" grids for easy conversion from pleated filters
- Conversion strips to convert from cut pads to rolls
- Snapper bar for positive seal around top and edges for rolls
- 20"x20" and 20"x25" size frames available



# Intake Products



## DIFFUSION PRODUCTS

The first key to flawless spray booth performance is the proper conditioning of the intake air. The CI Diffusion Product Group offers a variety of filters that create the desired airflow uniformity by diffusing the airstream while providing the first stage of filtration by removing potentially contaminating particulates. These filters are available in rolls, as pads or panels and with or without a scrim backing to further protect the object being sprayed. For flawless finishes, start with CI diffusion filters, media and ring panels.



## PANEL FILTERS

CI Panel Filters use a progressive density fiber structure that incorporates a non-migrating tackifier for optimum filter performance in airflow, efficiency and depth loading making them a great choice for intake or pre filters. Available in both single and linked panels, the self-sealing panels prevent air bypass and increase efficiency performance. CI Panel Filters are the perfect choice to improve indoor air quality, remove contaminants and yield long service life.

CI's Panel Filters are available in a wide variety of filtration performance options, and are manufactured with vertical integration, providing stringent quality control and more efficient product development. In fact, these environmentally responsible panels are manufactured with recycled fibers whenever possible. Many of the CI Panel Filters are tackified internally as well as on the downstream side of the filter to maximize efficiency while maintaining a low resistance to airflow providing lower energy costs and less frequent replacement needs. CI Panel Filters can meet the requirements for the LEED's program at MERV 8 with some filters having a MERV 10 rating.



## PLEATED FILTERS

CI Pleated Filters, available in both pleat and mini pleat styles in a variety of sizes and efficiency ratings are perfect for air intake systems; the extended surface area these filters provide improve airflow and have need less frequent change outs.

The MERV 8 pleated filters are designed using uniquely engineered mechanical filter media to provide the optimum performance in airflow resistance, efficiency and dust-loading uniformity. The MERV 13 pleated filters provide functional, high-efficiency performance using a geometrically designed pleat element.

CI Mini Pleat Filters utilize technologically advanced media that incorporates a dual-layer, gradient-density fiber structure resulting in exceptionally low airflow resistance at the highest efficiency levels, reducing both energy and operating costs. They are available in 2" and 4" depths and range up to MERV 15 with V-cell constructed mini pleats ranging up to MERV 16 – with best in class performance.



## POLYESTER ROLL MEDIA & CUT PADS

The CI Polyester Group consists of non-woven polyester products designed specifically for a wide range of HVAC and intake air filtration. The collection of both rolls and cut pads is available in a wide variety of performance levels and thicknesses – dry or tackified and with or without an anti-microbial additive. Each product has high holding capacities due to depth-loading characteristics and graduated density. Filter change out is clean, quick and efficient, and a long service life means the filters need to be changed less often.

Diversified capabilities in polyester media ranging from basic service media and paint collectors to specially designed SURE-STOP AM media with MERV 10 performance, makes Columbus Industries a unique supplier. These high performance medias incorporate a special blend of fiber mixtures that are oriented and designed to withstand the needs of air filter media using proprietary technology.

HR - Highly Recommended  
R - Recommended  
SR - Seldom Recommended

	<div>Intake Filters Panels</div> <div>Polyester</div>												
		Diffusion Media (SL-R1, SL-R15, SL-560D)	Diffusion Panels (SL-R1, SL-R15, SL-560D)	SL-1A	SL-2A	SL-3A	SL-3	SL-4	SL-5	100WBT	100GT	100ONT	Pleats
Fine Dust/Dirt Particles	HR	HR	SR	R	HR	HR	HR	HR	HR	R	R	HR	HR
Medium Dust/Dirt Particles	HR	HR	R	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR
Coarse Dust/Dirt Particles	R	R	HR	HR	HR	HR	HR	HR	HR	HR	HR	R	R



# Primary Exhaust Products

## EXPANDED PAPER PAINT OVERSPRAY COLLECTORS



The entire collection of CI's Overspray Collector Group is an economical choice to catch and capture particulates from the exhaust air of paint spray booths. Each collector is fabricated from slit and expanded kraft media; many incorporating a final synthetic filtering layer in the supra line of collectors to capture fine particles and provide long service life. These collectors employ baffled layers to create airflow turbulence for the highest level of holding capacity possible. The density pattern of each layer assures uniform depth loading, while the kraft material captures particulates and allows solvents to evaporate. Furthermore, these collectors are GACT compliant and are available in UL and non-UL versions in pad or roll form.

Because overspray particulates differ in physical and chemical attributes, Columbus Industries offers a wide range of collector designs to meet the specific performance levels required. With its high collection efficiency, uniform airflow, excellent holding capacity and long service life, CI's Overspray Collector Group provides your operation with the lowest cost-per-unit filtration system available. Special Rx products are available if volumes justify. Performance testing based on the actual paint and operating criteria may be possible and can be arranged through a Columbus Industries Regional Sales Manager.

## POLYESTER ROLL MEDIA & CUT PADS

The CI Polyester Group consists of non-woven polyester products designed specifically to perform in paint overspray applications. The collection of both rolls and cut pads is available in a variety of performance levels and thicknesses. Each product has increased holding capacities due to depth-loading characteristics created with different filter sizes and layering. Filter change out is clean, quick and efficient, and a long service life means the filters need to be changed less often. Many of these products are manufactured with prime grade fibers made from recycled plastics to better benefit the environment.

	Primary Filters							
	Standard & Standard Mini-Mesh	High-Capacity Mini-Mesh	Supra I Mini-Mesh	Supra II Mini-Mesh	High-Capacity Supra I & II Mini-Mesh	SL-100 PSG*	SL-100PS	SL-100WC
Adhesives	R	HR	SR	R	HR	SR	SR	R
Air-Dry Enamels	HR	HR	R	HR	HR	R	R	R
Asphalts	R	HR	SR	R	HR	SR	SR	R
Bake-Dry Enamels	R	R	HR	HR	HR	HR	HR	R
Clear Coats	R	R	HR	HR	HR	HR	HR	R
Epoxies	R	HR	HR	HR	HR	HR	HR	R
Fiberglass	R	HR	SR	R	HR	SR	SR	SR
Frit	R	HR	R	R	HR	R	R	R
Gel Coats	R	HR	R	R	HR	SR	SR	SR
High Solids - Enamels	SR	SR	HR	R	R	HR	HR	R
Lacquers - Nitrocellulose	HR	R	SR	R	SR	R	SR	SR
Primers - Air Dry	HR	HR	R	HR	HR	R	R	R
Tar-like Coatings	R	HR	R	R	HR	SR	SR	SR
Teflon	R	HR	R	R	HR	R	R	R
Urethanes	R	HR	HR	HR	HR	HR	HR	R
Vinyls	R	HR	R	R	HR	R	R	R
Waterbornes	R	R	HR	HR	HR	HR	HR	R
Stains	HR	HR	R	HR	R	HR	R	R
Sealers	HR	R	R	HR	R	HR	R	R
Glazers - fillers	HR	HR	R	HR	HR	HR	R	R

HR - Highly Recommended  
R - Recommended  
SR - Seldom Recommended



# Secondary Exhaust Products

## CUBE/POCKET FILTERS



The CI Multi-Pocket Filters are one of the best and most economical choices for extended-surface filtration. Each filter utilizes a technologically advanced media that incorporates a dual-layer, gradient-density fiber structure that results in exceptionally low airflow resistance, at high efficiency levels – reducing both energy and operating costs. CI has a wide variety of cube/pockets available, several of which meet the Aerospace NESHAP requirements.

When used on today's compliance coatings such as waterborne and high solids, the Supraloft Multi-Pocket Polyester bags with their excellent efficiencies and versatility are the perfect overspray collector and especially effective to back up rolls, pads, and paint collector media. These filter systems are especially important when an end-user has a VOC abatement system that must be kept cleaner than traditional systems. Various products are available to meet or exceed the performance levels suggested by the abatement system manufacturer. With those specifications, we can help match the best CI product to meet those needs.

## POLYESTER ROLL MEDIA & CUT PADS



The CI Polyester Group consists of non-woven polyester products for paint overspray and general-purpose HVAC applications. The collection of both rolls and cut pads is available in a wide variety of performance levels and thicknesses – dry or tackified. Each product has increased holding capacities due to depth-loading characteristics. Filter change out is clean, quick and efficient, and a long service life means the filters need to be changed less often. In addition to the polyester overspray media, CI also offers other even denser media to capture very fine particles for secondary operations. Tackified media is offered to capture very fine and dry particles behind primary filters.



## PANEL AND PLEATED FILTERS

CI's Panel and Pleated Filters are available in a wide variety of filtration performance options, and are manufactured in-house, providing stringent quality control and individual uniformity. In fact, these environmentally responsible panels are manufactured with recycled fibers whenever possible and their low airflow resistance results in lower energy costs. Available in dry and tackified versions.

In both single and linked panels, the self-sealing panels prevent air bypass and increase efficiency performance. CI Panel Filters are the perfect choice to improve indoor air quality and remove contaminants. Each uses a progressive density fiber structure that incorporates a non-migrating tackifier for optimum filter performance in airflow, efficiency and depth loading.



## ACTIVATED CARBON PRODUCTS

POLYSORB™ activated carbon filters are one of the most effective means for positive air purification. Each filter's porous microscopic channels act as a purifying, adsorptive net to snare odors and impurities, and entrap them on the activated carbon's vast surface network. It's the perfect choice for air filtration systems used in overspray paint applications and other circulating apparatuses for nuisance odors.

With POLYSORB's™ tremendous adsorptive capacity, one cubic foot of Columbus Industries' activated carbon provides approximately 200 million square feet of adsorptive surface area. POLYSORB™ carbon products maintain the perfect balance of odor/particulate trapping efficiency and excellent airflow properties.



With certain coatings and operations the need for even more efficient products may be required. For practical cost purposes this is obtained with secondary filtration by using finer media cube/pockets, panels or pleated filters; some applications may even require rigid box, minipleat or V-cell high efficiency products. Often these are needed to keep abatement, recirculation and general plant operations clean and properly protected. This full line of products is available from Columbus Industries.

# Price-to-Performance.

## We have the filter to meet your needs.

Columbus Industries, with the most versatile, efficient and cost-effective intake, diffusion and exhaust filters, is the undisputed leader in spray booth filtration – for either high production operations or a single spray booth.

### We stock your spray booth products locally!

Columbus Industries maintains an extensive network of highly professional representatives which provides you with:

- Personal attention with onsite visit
- Best value
- Individual analysis of each system
- Factory-backed technical assistance
- Locally stocked products
- Reduced freight costs

### Columbus Industries' Unparalleled Dedication to Customer Service

Columbus Industries continually strives to meet the industry's needs through the development of new overspray collectors, spray booth intake filters, diffusion media and HVAC filters which effectively fulfill specific filtration requirements. It is this unparalleled dedication to customer service that has enabled Columbus Industries to become a leading industry supplier of "performance engineered" air filtration products.

**Disposal Guidelines:** When loaded with residue, dispose of materials according to OSHA Regulation 1910.107, EPA Regulations 40CFR, NFPA Standard #33, or any other federal, state or local regulating authority.

### Warranty Disclaimer

Columbus Industries warrants that its overspray collectors shall be of good quality workmanship and free of any material defects. EXCEPT AS SPECIFICALLY SET FORTH IN THE PRECEDING SENTENCE, COLUMBUS INDUSTRIES DOES NOT ASSUME ANY LIABILITY UNDER ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOTWITHSTANDING ANY STATEMENTS CONTAINED IN COLUMBUS INDUSTRIES' SALES LITERATURE OR STATEMENTS MADE BY COLUMBUS INDUSTRIES' AGENTS TO THE CONTRARY. COLUMBUS INDUSTRIES' AGENTS HAVE NO AUTHORITY TO GIVE WARRANTIES THAT EXCEED THOSE CONTAINED IN THIS WARRANTY

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Locally stocked and technically supported for your convenience by:



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