Paint Overspray Collectors

Columbus Industries' collection medias are designed using baffle/strainer technology, as shown above, for optimum performance and extended service life.

Description:

Columbus Industries' combination baffle/strainer-type overspray collectors are constructed of layers of slit and expanded kraft with an optional final layer of duo-density synthetic polyester backing to maximize efficiency and strength. The front layers of this collector employ larger baffle openings followed with layers of progressively smaller "diamond" design and an optional final back layer of dense non-woven polyester. This filter design allows CI to provide products that address the filtration goals of your specific application.

Features and Benefits:

- Layers of slit and expanded kraft with multistage designed baffle openings. Supra® products incorporate a final layer of non-woven polyester for additional efficiency and filter service life.
- Broad offering of products to provide optimum filtration for a wide range of coatings and applications
- Extended service life for fewer change-outs
- Ease of handling, installation and disposal
- Both flame retardant and non flame retardant versions available
- Available in rolls and cut pads for easy installation

Applications:

Columbus Industries' paint overspray collector products are designed to meet the ever-changing needs of the finishing industry. The extensive line of filter designs and technical support provided allows end-users to select the perfect filter for their specific coating, application and filtration goals.

GACT 98% WEIGHT ARRESTANCE EFFICIENCY

or BETTER, when tested in accordance with 40 CFR PART 63 SUBPART HHHHHH (ASHRAE Method 52.1"Gravimetric and Dust Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter". June 4, 1992)

Columbus Industries has a Continual Product Improvement Process to constantly introduce new and improved products. Therefore, prices and specifications are subject to change without notice.

Performance Data

Product:

Paint Overspray Collectors - Expanded Kraft and Supra®

Clean Resistance to Airflows:

Velocities (FPM)	Resistance ("H_2O)
100	0.015 - 0.070
150	0.025 - 0.100
200	0.045 - 0.140

Performance Data:

Coating Type	Filter	Expected Efficiency Range	Expected Holding Capacity (lbs)
Air Dry Enamel	Standard & Standard MM*	96.5 - 98.0%	2.30 - 2.70 @ 0.50" W.C.
	High-Capacity Mini-Mesh*	96.0 - 98.0%	4.80 - 5.20 @ 0.50" W.C.
Waterborne Enamel	Standard & Standard MM*	96.0 - 98.0%	3.50 - 3.80 @ 0.50" W.C.
	High-Capacity Mini-Mesh*	96.0 - 98.0%	6.80 - 7.20 @ 0.50" W.C.
High-Solids Bake Enamel	Supra I Mini-Mesh	99.7 - 99.9%+	5.30@ 0.35" W.C.
	Supra II Mini-Mesh	98.5 - 99.5%	5.80 @ 0.20" W.C.
	Supra A Mini-Mesh	99.55 - 99.94%	5.84 @ 0.74" W.C.
	High-Capacity Supra I & II Mini-Mesh	98.5 - 99.9%+	9.40 @ 0.20" W.C.
	High Capacity Supra A Mini-Mesh	99.17 - 99.71%	5.57 @ 0.56" W.C.
Waterborne	High-Capacity Supra II	95.5 - 97.5%	1.11 @ 0.50" W.C
	High-Capacity Supra I	97.5 - 99%	.81 @ 0.50" W.C.
	High Capacity Supra A Mini-Mesh	97.82%	1.34 @ 0.57" W.C.

* These results were gained using Standard or High-Capacity Mini-Mesh collectors in tandem. Only the front pad is loaded and requires changing each time.

Note: Tests were conducted using modified ASHRAE STANDARD 52-76 test apparatus and procedures. Tests filter consisted of 20" x 20" pads held in a frame/grid module as used in the field. Overspray was generated by an air atomizing gun with an initial air velocity of 150 fpm. Actual resistances, arrestances and holding capacities may differ due to the variations in paint make-up, mixing ratios, viscosities, booth conditions, etc.

Manufactured by:

Performance Engineered Air Filter Products

CI® Columbus Industries, Inc.

2938 State Route 752 • P.O. Box 257 • Ashville, OH 43103-0257
Phone: (740) 983-2552 • Fax: (740) 983-4622
www.colind.com • E-mail: ci@colind.net

Request Form #CI-PC
Rev: 3/2017

Distributed by: