VISKON-AIRE*
Air Filter Products

Series Super PS Paint Arrestor Filters

Viskon-Aire manufactures a full line of paint arrestor filters for paint overspray collection for any crossdraft or downdraft spraybooth. Viskon-Aire offers a wide range of spun-glass arrestors as well as different grades of polyester paint arrestors for any surface finishing environment, including automotive, aerospace, furniture and many other surface finishing environments that require overspray collection and retention of paint particles whether, liquid, solid, or waterborne paints.

All Viskon-Aire* paint arrestors are tested and compliant to EPA Test Method 319, 40 CFR Part 6H protocol. Along with paint arrestor pads and rolls, Viskon-Aire also manufactures unique multiple-stage filter systems for aerospace compliance to NESHAP 319 for two-stage filter systems built before 1999, and three-stage paint arrestor systems for booths built after 1999. The efficiency requirements are illustrated in the table below, ask a representative for compliance options.

The paint arrestor media is manufactured from a depth-loading polyester fiber and has a loft 2". The depth-loading polyester has a dual-density structure to better manage paint overspray and a tight weave on the downstream side to ensure the pad keeps its shape and rigidity during the operational life of the paint arrestor while maintaining filter efficiency.

The Viskon-Aire* Series Super PS paint arrestor has been tested to EPA Test 40 CPR 63, 6H and is compliant in EPA 319 multiple-stage paint arrestor systems.

Performance	Results
Pressure Drop @ 150 FPM	0.03" w.g. (7.47 Pa)
Paint Description:	High solids enamel
Spray feed rate:	136 grams per minute
Paint Spray method:	Conventional air gun
Spray gun pressure:	40 PSI
Paint Holding Capacity:	2,628 grams

Series Super PS Paint Arrestor Filter Benefits:

- *Can be used in two-three stage NESHAP filter systems*
- *Low pressure drop, 0.03" w.g. @ 150 FPM (45.72 m^3/min)*
- *2" thick depth-loading polyester*
- *99.33% overspray capture efficiency*
- *Can be used with liquid solid or waterborne paints*
- *5.80 lbs. of paint holding capacity in a standard pad*
- *Condensed packaging for easy storage*
- *Available in standard cut pads or rolls*

99.33% Efficiency

Multiple Stage Aerospace Filter Systems Requirements (2-3 Stage Systems)			
Particle Size µm (Microns)	**NESHAP 319 Efficiency Requirements for Existing Paint Booths <1999**	**Particle Size µm (Microns)**	**NESHAP 319 Efficiency Requirements for New Paint Systems >1999**
LIQUIDS			
>5.7	>90%	>2.0	>95%
>4.1	>50%	>1.0	>80%
>2.2	>10%	>.42	>65%
SOLIDS			
>8.1	>90%	>2.5	>95%
>5.0	>50%	>1.1	>85%
>2.6	>10%	>.70	>75%

"When Clean Air is Critical"

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General Recommendations for Paint Arrestors Filters:

Viskon-Aire has the following recommendations when selecting paint overspray filters for spray booths:

- General regulations:
  - OSHA regulation 1910.107 states that you must have an air velocity between 60-100 linear feet per minute to evacuate paint overspray from the operator, or depending upon your paint application method.
    - Electrostatic spraying applications require >60 linear FPM depending upon the volume, finishing, material, flammability, or explosion characteristics.
  - Spun glass and polyester paint arrestors are allowed in any landfill, typically it's the type of paint you use that determines if it can be sent to a general landfill, check with local, state and EPA regulation before disposing of paint arrestors.
  - Incineration of spun-glass fibers typically requires temperatures over 1200° F
  - https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.107
- Ask for independent test results for compliance and keep a file for your records.
- Ensure paint arrestor pads or rolls are sized correctly to eliminate any-bypass around the filters.
- Maintain manometer or magnehelics and calibrate following manufacturer's instructions.
  - Inspect the exhaust plenum, fan, and stack if air flow drops below the minimum airflow requirement. Encrusted fans and ducting will reduce air flow.
- Identify & develop maintenance cycle for filter changes. PM, or pressure drop? In this way you will optimize your paint arrestor usage and paint efficiency overtime.
- Record pressure drop and average air velocity across the filter bank when the filters are in a clean condition for comparative purposes.
  - Use a flowmeter or velometer to determine the air flow exiting booth for compliance.
- Create a standard operating and recording procedure to optimize your paint spray booth and filter usage.

Viskon-Aire* Super PS Paint Arrestors – Popular Part Numbers for your spray booth:

Viskon-Aire Super PS Paint Arrestors		
Size	**Part Number**	**Case Quantity**
20" x 20" x 2"	027-312	30/case
20" x 25" x 2"	027-313	30/case
30" x 90' x 2"	027-240	1/case
36" x 90' x 2"	027-241	1/case
40" x 90' x 2"	027-239	1/case

Other Viskon-Aire Paint Arrestors Products:

Viskon-Aire manufactures a large product basket of paint arrestors for your every need for both liquid, solid and waterborne coatings. Whether you need cut pads or rolls, or retention hardware, Viskon-Aire* has everything you need to be compliant with any city, state, or federal requirement. For other paint arrestor products, look for Viskon-Aire Series SG-15, Series XHD, Series PS Polyester paint arrestor, Super PS polyester paint arrestor, the Collector, and Collector Supreme paint arrestor filters. Viskon-Aire can also provide 2-3 stage filter systems with extended surface filters to meet any aerospace requirement.

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