SERIES 3000 3 STAGE PAINT OVERSPRAY SYSTEM

The Air Flow Technology Series 3000 Three-Stage Filter System has been independently tested, approved, and certified for aerospace and aviation related applications as outlined by the EPA in “National Emission Standards for Aerospace Manufacturing and Rework Facilities: Summary of Requirements for Implementing the NESHAP.” The Series 3000 system is highly efficient at removing dangerous solid particles from the airstream thus protecting ductwork, fans, down-stream VOC abatement equipment, and the general exhaust stream.

The Series 3000 solution is designed to capture paints and chemical coatings commonly associated with aerospace OEM and rework applications. The standard AFT Series 3000 system consists of three-stages. However, the filter used as Stage-3 passes the NESHAP requirement by itself and as such may be used in conjunction with any Stage-1 and/or Stage-2 filter as required by the end-user.

Stage-1, Series-99 or Series-E75
Option-1: Air Flow Technology’s high efficiency Series-99 paint overspray media provides maximum protection for Stage-2 while maintaining desirable airflow and service life. Comprised of dual-stage multi-denier 100% polyester fibers, the Series-99 achieves average removal efficiencies of 99.87% with a holding capacity of almost two pounds per square foot.

Option-2: Air Flow Technology’s economical Series-E75 paint overspray media provides excellent protection for Stage-2 while maintaining desirable airflow and service life. Comprised of multi-denier 100% polyester fibers, the Series-E75 achieves average removal efficiencies of 99.66% with a holding capacity of almost two pounds per square foot.

Stage-2, Series 45KC/96 Cube Cube or Series 625 Panel
Option-1: Air Flow Technology’s 45KC/96 Cube consists of two distinct filter layers. The first layer (air entry) is a 1” dual-denier high efficiency polyester paint arrestor. This layer is two-ply and by itself has an average removal efficiency of 99.48% with a holding capacity of almost two pounds per square foot. The second layer is a high efficiency synthetic backing which boosts the overall efficiency of the filter to 100% for paint particles 10 - 12 µm in size.

Option-2: Air Flow Technology’s Series 625 panel is a high efficiency 3/ply panel. The first layer is a dual-denier internally tackified polyester media. This layer is heat-sealed to a high efficiency polyester layer. Combined these layers provide an economical, high efficiency secondary layer with excellent holding capacity.

Stage-3, Series 45KC/95S 3RD STAGE BAG
The 45KC/95S 3RD Stage Bag is a MERV-14 95% synthetic pocket filter with high efficiency rating on small particle sizes. This filter is designed to meet the rigid efficiency requirement of the aerospace NESHAP guidelines.

Construction
Stage-1 Series-99 and Series-E75 overspray media is available in rolls, perforated rolls, pre-cut blankets, and individual pads. All products are precision-sized to ensure proper fitting and good edge sealing once installed.

Stage-2 45KC/96 Cube Filters and Series 625 panels are sewn and heat-sealed to 9-gauge galvanized metal support frames. For the 45KC/96 Cube, customers have the option of a “Self Seal” frame as well as headered and headered with gasket. The Series 625 panel is designed to create a self-sealing gasket once installed in the holding frame.

Stage-3 45KC/95S 3RD Stage Bag are made from 100% synthetic fibers sonically welded to form strong pockets. These pockets are mounted in a galvanized metal frame (available with and without a header and gasket).

Air Flow Technology’s Customer Guarantee – Air Flow Technology guarantees fast delivery, national distribution and competitive pricing. Air Flow Technology is a full line filter manufacturer serving all automotive, industrial finishing, and commercial/industrial HVAC applications. Our products can be found at aerospace and aviation related businesses all around North America as well as overseas.