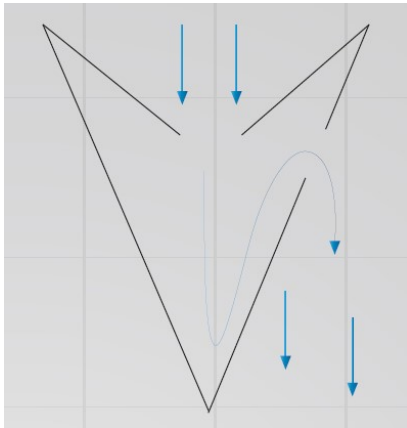


Original and High Efficiency types

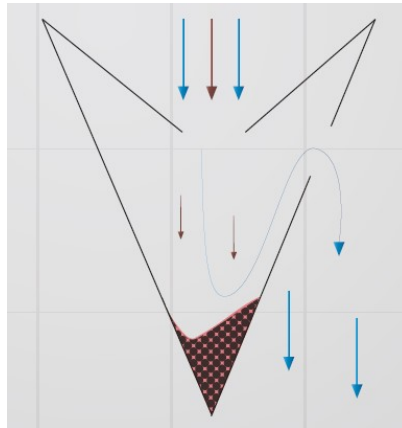
The migration phenomenon is common when slow-drying coatings are used in combination with mesh or fiberglass filters - when the airflow pulls out particles previously trapped in the mesh or fiberglass. Consequently, the once deposited particles will again migrate throughout the system. However, the Andreae filter uses the principle of separation by inertia, where the paint particles stay trapped in the retention pocket outside of the airstream.

Airflow loaded with paint particles (overspray) will suffer several radical changes in direction. These paint particles, heavier than air, follow tangent trajectories within the airflow. Thus, paint particles accumulate in the Andreae filter retention pockets outside of the airstream, allowing the airflow to exit the filter virtually free of any overspray.

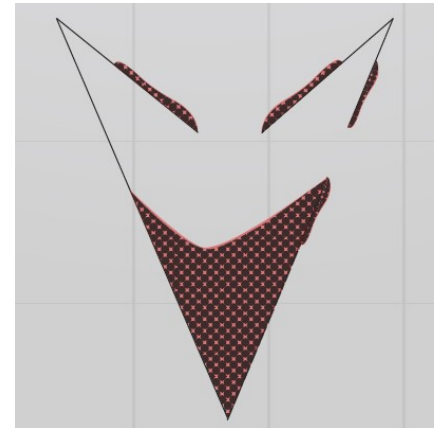
The static pressure within the booth thus increases slowly, and as a result the spray booth stays cleaner longer, and the airflow around the coated parts stays uniform throughout the life of the filters.



1. Airflow: Airflow enters the retention pockets and travels all the way through the twists and turns of the unique accordion design.



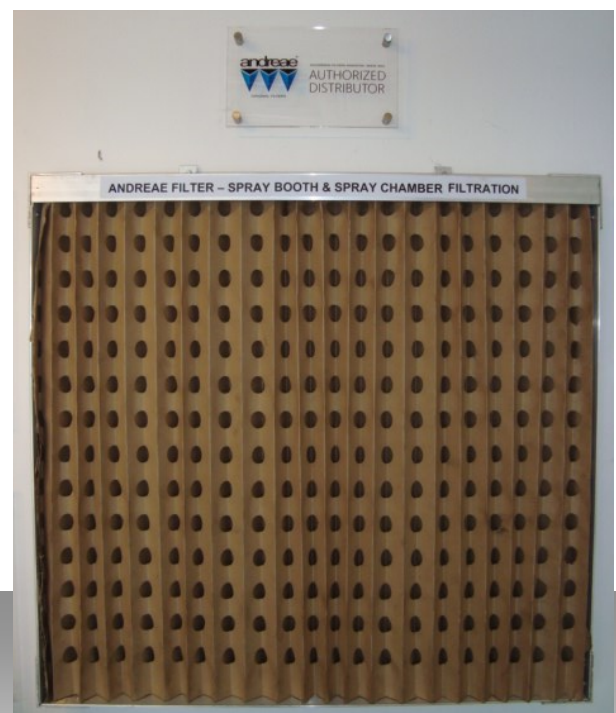
2. Overspray: The paint particles which are heavier than air, follow tangent trajectories within the airflow and gradually accumulate in the retention pockets outside of the airflow. This eliminates the migration phenomenon inherent to fiberglass and mesh type filters.



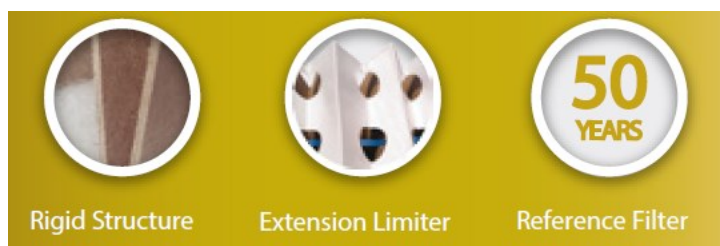
3. Paint deposit: The paint deposits accumulate in voluminous retention pockets, as well as on the side and front of the filter.

BENEFITS OF USING ANDRAE FILTERS:

- ✓ High holding capacity up to 5 times higher than other filter types
- ✓ High efficiency near 100% depending on the paint used
- ✓ Fewer filter changes resulting in higher spray booth productivity
- ✓ Constant airflow in the spray booth throughout the life of the filter
- ✓ Easiest filter to use in the market
- ✓ Reduced freight and storage costs
- ✓ Ecological product



The Original



The Andreae Original has been the reference filter on the market for over 50 years, and it remains the most universal and commonly used filter.

The Original is made with 2 layers of heavy “kraft” paper, punched, pleated, and glued together with 2 built-in extension limiters, which guarantees the maximum load capacity.

The Original is a filter suitable for all paint types.

DESCRIPTION

ANDREAЕ FILTER, ORIGINAL - WHITE, H90CM, SURFACE AREA 10YD2, 240 PLEATS

GOODS ORIGIN: POLAND

PART NO.
AF813

Technical Specifications:

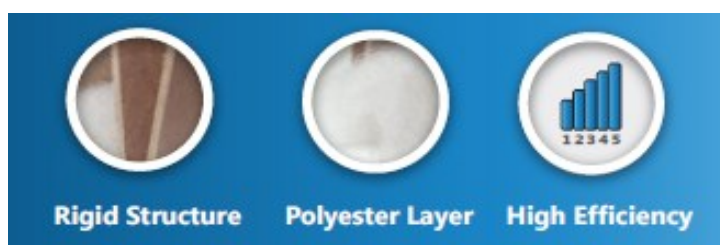
	Lacquers	High solids	Polyester
Load	10 kg/m2	12 kg/m2	13 kg/m2
Efficiency	93.10%	98.20%	97.80%
Recommended air velocity	0.5 to 1 m/s		
Pressure drop at / by	0.5 m/s 20 pa	0.75 m/s 30 pa	1.0 m/s 40 pa
Max. recommended pressure drop	128 pa (possibly up to 256)		



Performance:

Load	Efficiency	
●●●○○	●●●○○	Lacquers
●●●○○	●●●○○	High solids
●●●○○	●●●○○	Polyester Bi-Components

High Efficiency



The Andreae High Efficiency Filter will bring a filtration efficiency near 100% while keeping the high loading capacity of the Andreae Original Filter.

The High Efficiency is made with 2 layers of heavy “kraft” paper, punched, pleated, and glued together completed with a polyester layer on its back, increasing its filtration efficiency.

DESCRIPTION

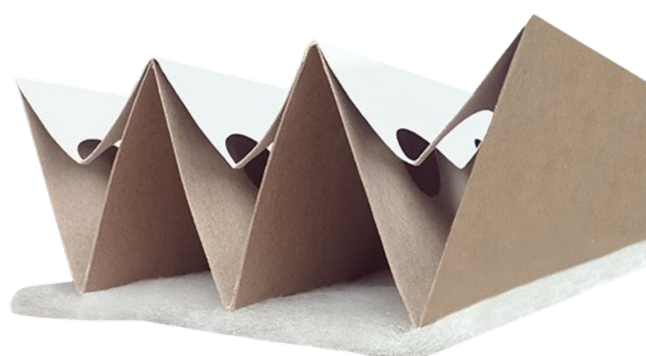
ANDREAЕ FILTER, HIGH EFFICIENCY - WHITE, H100CM, SURFACE AREA 8M2, 210 PLEATS

GOODS ORIGIN: POLAND

PART NO.
AF123

Technical Specifications:

	Lacquers	High solids	Polyester
Load	9 kg/m2	12.2 kg/m2	14.7 kg/m2
Efficiency	97.90%	99%	99.4%
Recommended air velocity	0.5 to 1 m/s		
Pressure drop at / by	0.5 m/s 21 pa	0.75 m/s 32 pa	1.0 m/s 42 pa
Max. recommended pressure drop	128 pa (possibly up to 256)		



Performance:

Load	Efficiency	
●●●○○	●●●○○	Lacquers
●●●○○	●●●○○	High solids
●●●○○	●●●○○	Polyester Bi-Components

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