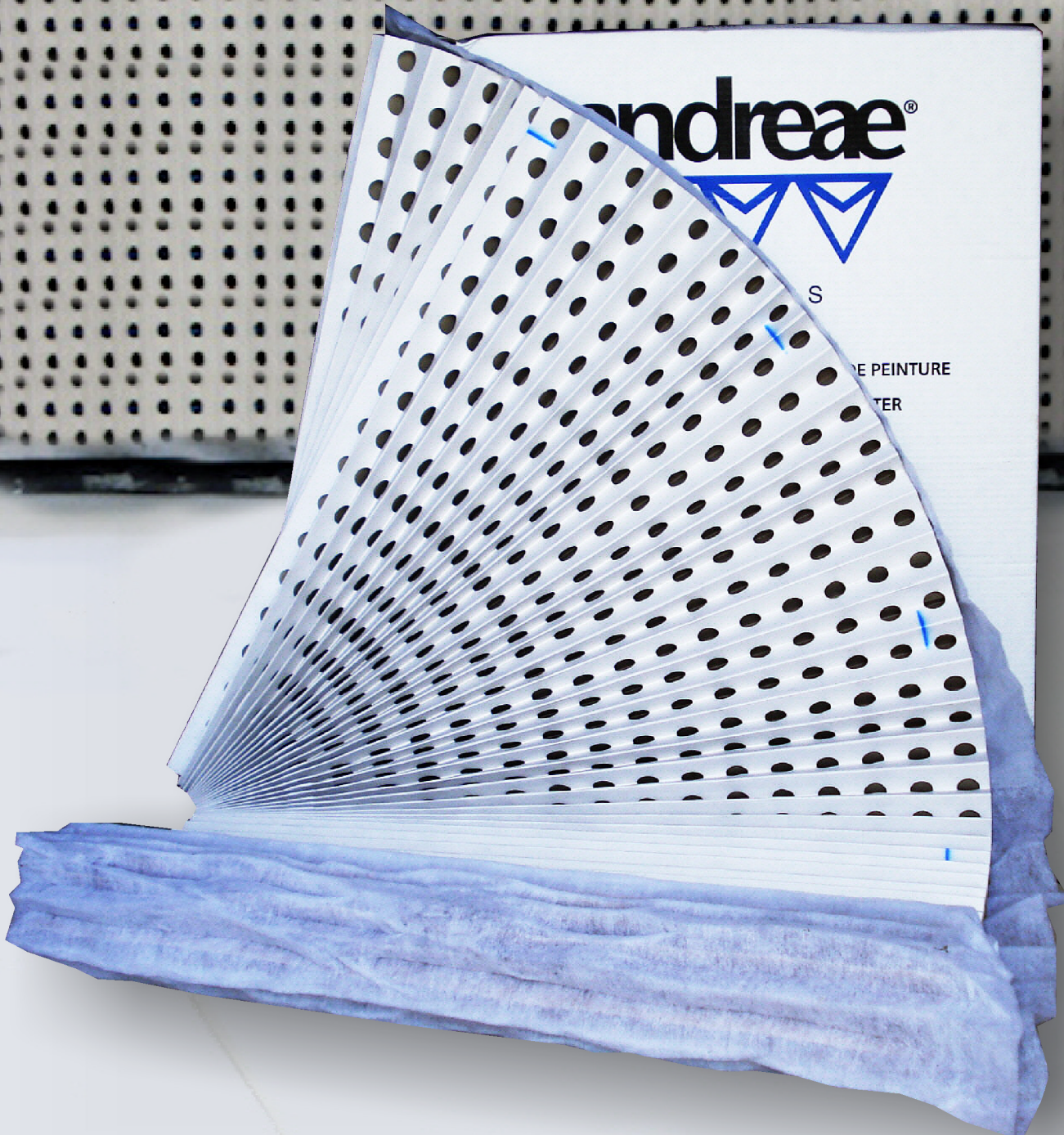


# The Andraeae High Efficiency Excellence in Two-Stage Filtration

\* 99.8% EFFICIENCY

\* 5.3 LBS/SF HOLDING CAPACITY  
(2.4kg/0.09m<sup>2</sup>)

\*COMBINED ADVANTAGES OF THE ANDRAEAE STANDARD  
WITH THE ADDED FILTRATION OF POLYESTER BACKING





## TECHNICAL INFORMATION

**Filtration Efficiency** 99.81%\*

**Holding Capacity** 5.3 lbs/sf (25.87 kg/m<sup>2</sup>)\*

*Recommended Air Velocity* 49-197 fpm (0.25-1.00 m/s)

*Recommended Max Pressure Drop* 0.51 in/wc (128 Pa)

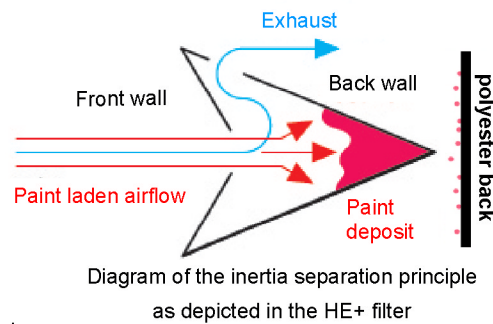
*possible up to 1.03 in/wc (256 Pa)*

### Pressure Drop

0.05 in/wc (12 Pa) @ 100 fpm (0.50 m/s)

0.15 in/wc (37 Pa) @ 150 fpm (0.75 m/s)

0.25 in/wc (62 Pa) @ 200 fpm (1.00 m/s)



- ▽ The front V-shaped wall of the filter prevents overspray bounce back.
- ▽ The deeper V-shape of the back wall captures overspray and deposits it outside of the airflow in the paint holding pockets.
- ▽ The position of the holes forces the airflow to change directions along three axes while the added layer of polyester captures the smallest particles.

\*As tested by Air Filter Testing Laboratories, Inc.

PART #	COLOR	SIZE	METRICS	FILTERS/BOX	BOXES/SKID	WEIGHT/BOX
AF123	WHITE	39.37"x26"	1.00x7.93m	1	56	21 lbs (9.5kg)
AF223	WHITE	20x20"	0.51x0.51m	36	48	21 lbs (9.5kg)
AF423	WHITE	20x25"	0.50x0.64m	32	48	24 lbs (10.9kg)
AF923	WHITE	3.281x30'	1.00x9.14m	1	56	20 lbs (9.1kg)

## FAQS

- **What is inertia separation?** Separation by inertia is the working principle of the Andreae Filter. Airborne paint particles (overspray) enter the Andreae Filter to undergo several radical directional changes and settle out of the air flow to accumulate in the holding pockets. The holding pockets retain the paint particles outside the airstream and the polyester captures the remaining overspray.
- **What is the difference between the Standard and High Efficiency Filter?** The Andreae HE is made of three layers, the traditional two walls of the Andreae Standard and behind, an additional layer of polyester. With this combination, the advantages of the Andreae Standard Filter and the efficiency of polyester are combined into one filter.
- **My HE Filter hardens in the booth making it difficult to remove. What can I do to ease removal?** When the paint dries in the filter, it may create a very hard accretion. In this case, the filter may be difficult to remove as the polyester sticks to the frame of the booth. To prevent this, just coat the frame with a non-hazardous grease before installing the clean filter.
- **I use an expanded paper filter and have a problem with paint migration. How is the Andreae Filter better?** The migration phenomenon is common when slow-drying coatings are used with this type of mesh filter. The airflow will pull out particles already trapped in the mesh. Consequently, the particles already deposited will again be airborne and migrate through the system. On the other hand, with the Andreae Filter, the paint particles are deposited in the holding pocket which is a dead end and away from the air stream.

CONTACT YOUR LOCAL DISTRIBUTOR OR CALL ANDREAEE TEAM FOR A DISTRIBUTOR NEAR YOU

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