The Accordion is designed to capture airborne liquid particulates and air dried fines using inertial separation and secondary straining. The Poly-Back Baffle is best used with air dried liquid coatings such as enamels, primers, urethanes and other flash dry coatings with fine particle size characteristics.

Inertial Separation Baffles Work!
The concave front wall directs airflow into the baffle. The inertia of particulates in airflow cause impaction on the back wall. The airflow changes direction and exits leaving behind up to two inches of overspray in the back wall pocket.

The addition of polyester media captures fine particulates that remain in the air stream, increasing arrestance efficiency and holding capacity. As a secondary stage, the polyester backing loads more evenly behind the baffle wall than media alone. In addition, the poly-back baffle meets M319 requirements when used as a pre-filter to a final stage HEPA filter.

Airflow Remains Uniform Across the Exhaust Wall
Unlike fibrous media filters, the paper baffle does not face load. When coatings settle on the surface of a filter, airflow is diverted or impeded. Surface loading filters fill faster directly behind the point of spray, causing uneven loading and eventually, impeded airflow. When airflow becomes impeded, particles begin to hang in the air. Fog building bounce-back can ruin a beautiful finish when particles resettle on the substrate.

The Accordion diverts airflow through a series of directional changes within the baffle which eliminates face loading behavior and thus, particle bounceback and migration. Constant airflow improves the spray booth environment.

PAINT ARRESTANCE: > 99%
HOLDING CAPACITY: > 6.5 lbs/sf (32 kg/m²)

RECOMMENDED AIR VELOCITY:
49-197 fpm (0.25-1.00 m/s), subject to spray operation
RECOMMENDED MAXIMUM PRESSURE DROP:
0.5 to >1 inch wc (128 to >256 pa), subject to fan motor

PRESSURE DROP
0.10 inch wc (25 pa) @ 100 fpm (0.50 m/s)
0.15 inch wc (37 pa) @ 150 fpm (0.75 m/s)
0.25 inch wc (62 pa) @ 200 fpm (1.00 m/s)

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CUSTOM SIZES UPON REQUEST
Custom sizes are more difficult to achieve in the Poly-Back Baffle. We may recommend using the standard in tandem with an unattached poly layer to achieve the same efficiency.

BUY ONLINE: AFXMANUFACTURING.COM
The Accordion is designed to capture airborne liquid particulates using the principle of inertial separation. The Standard Baffle is best used with wet coatings such as high solid enamels, epoxies, asphalts, varnish and other tacky coatings with larger particle size characteristics.

Inertial Separation Baffles Work!
The concave front wall directs airflow into the baffle. The inertia of particulates in airflow cause impaction on the back wall. The airflow changes direction and exits leaving behind up to two inches of overspray in the back wall pocket.

Because particulates are retained outside of the airstream, static pressure increases slowly thereby extending filter life. Finishers spend less time replacing filters and more time in production.

Airflow Remains Uniform Across the Exhaust Wall
Unlike fibrous media filters, the paper baffle does not face load. When coatings settle on the surface of a filter, airflow is diverted or impeded. Surface loading filters will fill faster directly behind the point of spray, causing uneven loading and eventually, impeded airflow. When airflow becomes impeded, particles begin to hang in the air. Fog building bounceback can ruin a beautiful finish when particles resettle on the substrate.

The Accordion diverts airflow through a series of directional changes within the baffle which eliminates face loading behavior and thus, particle bounceback and migration. Constant airflow improves the spray booth environment.

PAINT ARRESTANCE: > 98%
HOLDING CAPACITY: > 6.5 lbs/sf (32 kg/m²)

**SINGLE STAGE FILTRATION**

**RECOMMENDED AIR VELOCITY:**
49-197 fpm (0.25-1.00 m/s), subject to spray operation

**RECOMMENDED MAXIMUM PRESSURE DROP:**
0.5 to >1 inch wc (128 to >256 pa), subject to fan motor

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CUSTOM SIZES UPON REQUEST
Most any size can be achieved with the Standard Baffle. Send us your “actual” dimensions (W x L, inside frame) and we will send your corresponding part number.

BUY ONLINE: AFXMANUFACTURING.COM