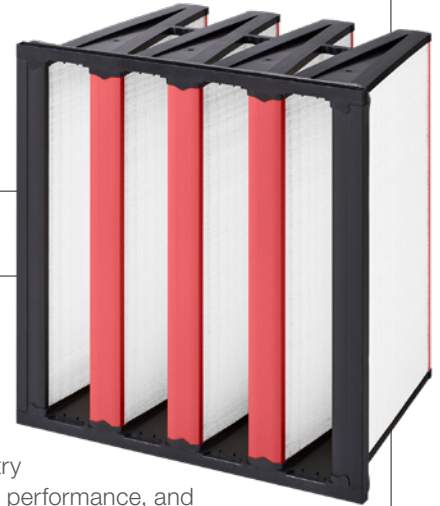


BioShield™ VXLA

ANIMAL SCIENCE FILTRATION



Why filtration matters in animal barns:

- Improved air quality for animals and barn workers
- Reduced respiratory stress on animals
- Improved growth performance and feed efficiency
- High-efficiency filtration to support biosecurity programs

Specifications:

- MERV 15 and MERV 16 efficiency options
- 17" deep V-bank design for high airflow
- Maximum operating temperature: 158°F



High-Efficiency Filtration for Demanding Barn Environments

The BioShield VXLA is a 17-inch-deep V-bank filter designed for swine and poultry producers focused on biosecurity, airflow performance, and long filter life.

Its deep V-bank construction provides high airflow with lower resistance while delivering MERV 15 or MERV 16 filtration efficiency. The increased media area supports greater dust-holding capacity, helping maintain ventilation performance and extend service life in demanding agricultural applications.

Designed for Sustained Airflow Performance

The BioShield VXLA incorporates 30% more media area than a comparable 12" deep V-bank filter, allowing for a slower increase in airflow resistance as dirt and dust build up over time. This helps maintain higher airflow for a given pressure drop over a longer period of time, supporting consistent barn ventilation and filtration performance.

Built for Demanding Agricultural Environments

Water-repellent media helps promote moisture drainage and maintain filtration efficiency in wet, high-humidity barn environments. The corrosion-resistant plastic frame and durable media construction are designed to withstand handling, installation, operation, and changeout in harsh agricultural environments.

Sealed Construction for Improved Biosecurity

A seamless foam-in-place gasket and fully sealed frame help minimize particulate bypass around the filter, keeping contaminants contained within the filter system.

Fully Incinerable Construction

The BioShield VXLA is fully incinerable, helping simplify disposal at the end of filter life while reducing waste handling concerns for agricultural operations. Its lightweight plastic construction supports easier handling and disposal compared to traditional metal-framed filters.

BioShield™ VXLA

Product Information – Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)		Media Area (sq. ft.)
		Low	High	
24 x 24 x 17	23 ³ / ₈ x 23 ³ / ₈ x 16 ¹ / ₂	984	1208	266

Specifications

Maximum Operating Temperature
176°F/80°C

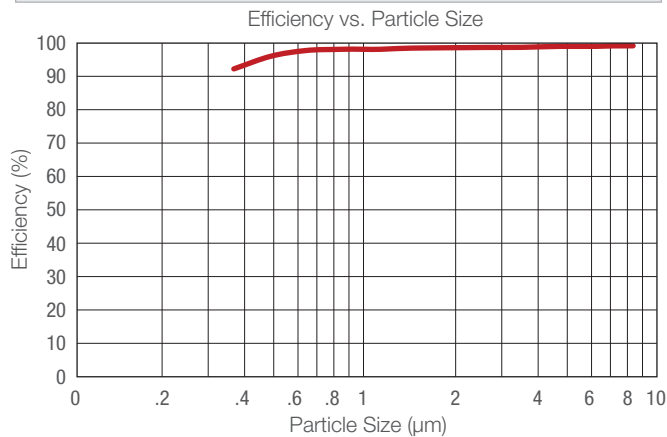
Media
Ultra-fine microglass paper formed into pleats.

Cell Sides
The molded end panels and extrusions are made of High Impact Polystyrene (HIPS).

Separators
Beads of low profile thermoplastic material.

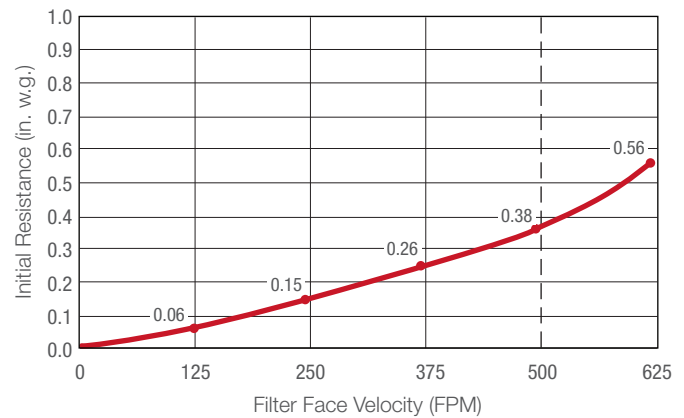
Performance Data

Composite Minimum Efficiency Curve



Tested in accordance with ASHRAE Standard 52.2.

Initial Resistance vs. Filter Face Velocity



Recommended final resistance for all BioShield® VXLA filters is 1.5 in. w.g.

Significant energy savings may be realized by operating the BioShield VXLA filter to a lower final resistance. Contact your local AAF International representative for a Total Cost of Ownership (TCO) analysis for your specific application.



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