



## Description

Originally designed for gas turbine applications, the Vari-Shield™ product is built for heavy dust-loading and high or turbulent airflow. Airguard® quickly understood that this remarkable product's exceptional durability also makes it ideal for demanding commercial and industrial applications, especially as indoor air quality and environmental regulations become more and more prominent in today's built environment. Using proprietary E-pleat® technology, CLARCOR Air Filtration Products is now offering the finest 4" MERV 8 filter in the industry.

## Media

- 100% synthetic media resists damage
- Hydrophobic media, enabling moisture to coalesce out of the airstream to protect downstream filters and environments
- Completely incinerable

## Construction

- High Impact Polystyrene sides (HIPS) provide strength while being corrosion, chemical, and moisture resistant
- Foam hot melt adhesive and potting ensure media integrity in high airflow applications
- Lightweight, metal free construction

## Benefits

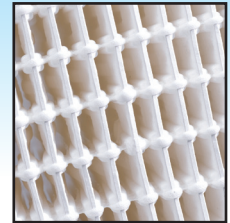
- Proprietary E-pleat® technology provides extremely low pressure drop and high dust-loading, reducing energy costs while providing longer filter life, fewer change-outs, and less downtime
- Cost savings in multi-stage system – extends filter life
- Critical protection – prevents damage to expensive downstream equipment
- Simplified handling and easy installation with lightweight construction

## Value-Added Summary

- E-pleat technology molds media into pre-formed channels that uniformly distribute air throughout the filter, resulting in lower pressure drop and full depth loading
- 100% synthetic, hydrophobic, coalescing media
- Easy disposal – completely incinerable
- Corrosion proof – no metal in construction

# Vari-Shield™

Barrier Pre-filter/Coalescer



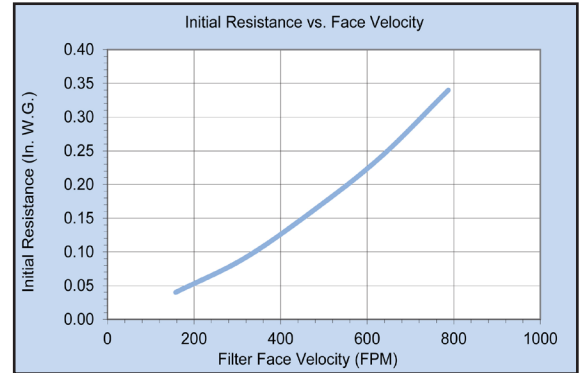
Close up view shows how beads of adhesive applied to the embossed media hold the channels open to permit free flow of air for low resistance and complete use of the media.

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Barrier Pre-filter/Coalescer

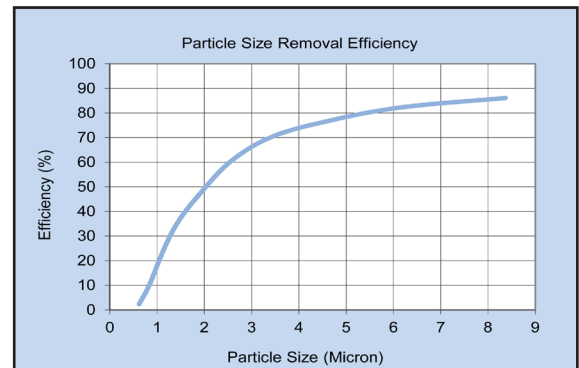
## Performance Specification Data

<b>Efficiency</b>	MERV 8 according to ASHRAE 52.2-2012
<b>Initial Pressure Drop</b>	0.17" W.G. @ 2000 CFM
<b>Dust Holding Capacity</b>	305g
<b>Recommended Final Resistance</b>	1.5" W.G.
<b>Temperature Range</b>	170 deg. F (76 deg. C)
<b>Humidity Range</b>	0 to 100% relative humidity



## Construction

<b>Filter Media</b>	100% Synthetic
<b>Frame Material</b>	High Impact Plastic
<b>Adhesive</b>	Foamed Hot Melt
<b>Potting</b>	Foamed Hot Melt
<b>Gasket</b>	Closed Cell, Neoprene (optional)



## Dimensions

	24"x24"x4"	20"x25"x4"	20"x24"x4"	20"x20"x4"	16"x25"x4"	16" x 20" x 4"	12"x24"x4"
<b>Width</b>	23-3/8"	19-3/8"	19-3/8"	19-3/8"	15-3/8"	15-3/8"	11-3/8"
<b>Height</b>	23-3/8"	24-3/8"	23-3/8"	19-3/8"	24-3/8"	19-3/8"	23-3/8"
<b>Depth</b>	3-3/4"	3-3/4"	3-3/4"	3-3/4"	3-3/4"	3-3/4"	3-3/4"

A-VSHIELD-CI-0515



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CLARCOR Air Filtration Products  
 100 River Ridge Circle • Jeffersonville, IN 47130  
 Customer Service: 1-866-247-4827 • Fax: 1-866-601-1809  
 Email: [mailbag@airguard.com](mailto:mailbag@airguard.com) • [www.clclair.com/airguard](http://www.clclair.com/airguard)