



# Vari-Shield™

Barrier Pre-filter/Coalescer

## Description

Airguard® capitalizes on its years of thermally embossed pleating capability to develop Vari-Shield™—a product designed specifically for gas turbine applications. Vari-Shield features CLARCOR Air's proprietary, patented E-pleat® technology with coalescing characteristics which make it a perfect pre-filter to extend the life of more expensive barrier filters.

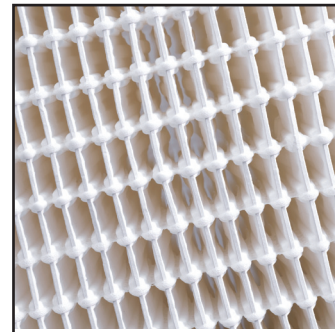
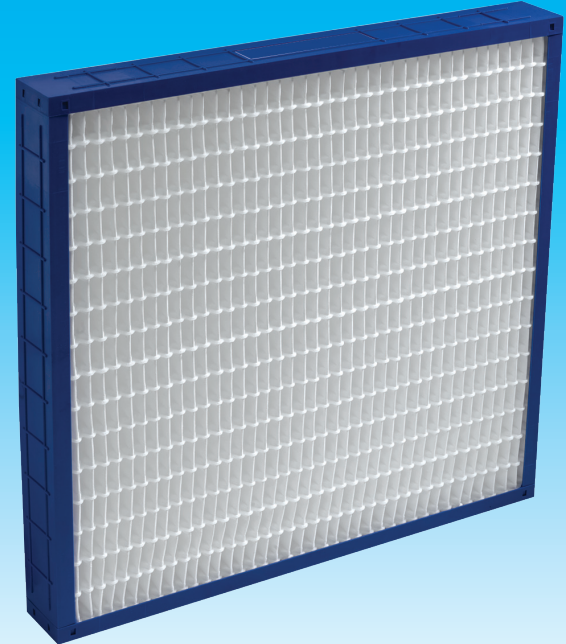
Designed for moisture-laden, coastal or tropical installations, Vari-Shield's high strength, high impact plastic frame is corrosion, chemical and moisture-resistant, and the media is hydrophobic—enabling moisture to coalesce out of the airstream to protect the final barrier filter.

## Benefits

- Increased turbine output and reduced energy costs
- Vari-Shield's very low resistance to airflow
- Longer filter life, fewer change-outs and less downtime with proprietary, patented E-pleat technology
- Cost savings—extends final barrier filter life
- Critical protection—prevents damage to expensive downstream equipment
- Simplified handling and easy installation with the lightweight construction

## Key Features

- Proprietary, patented E-pleat technology molds media into a series of pre-formed channels that uniformly distribute the air through the filter—allowing for even loading and complete utilization of the media
- 100% synthetic, hydrophobic, coalescing media
- Completely incinerable with high impact plastic frame
- Corrosion-proof with no metal



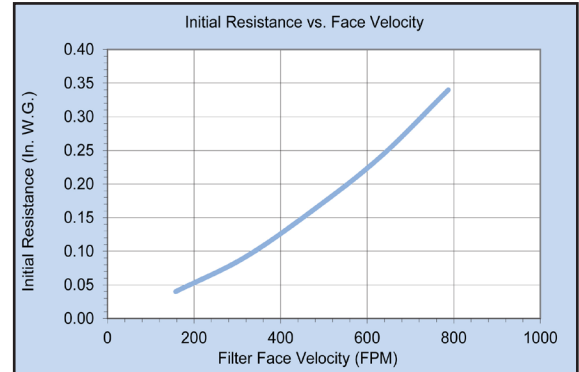
Close up view shows how beads of adhesive applied to the embossed media hold the channels open to permit free flow of air for low resistance and complete use of the media.

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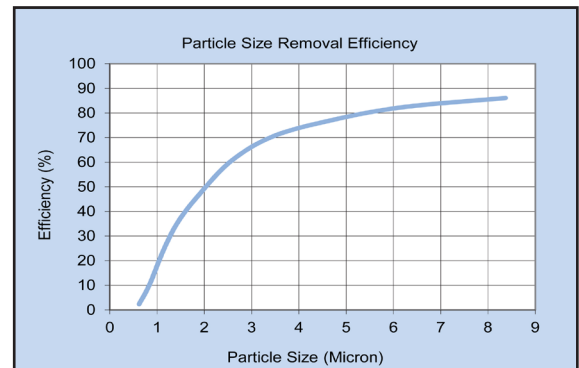
## Performance Specification Data

<b>Efficiency</b>	MERV 8 according to ASHRAE 52.2-2012
<b>Initial Pressure Drop</b>	0.24" W.G. @ 2520 CFM
<b>Dust Holding Capacity ISO Fine Dust</b>	890g @ 1.5" W.G.
<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-GT-0515



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