

Nuclear Grade VariCel®

Quality Protection for Nuclear Applications

Qualified Nuclear Medium & High-Efficiency Prefilters

Nuclear VariCels® are a series of medium and high-efficiency rigid cell side disposable filters for removal of atmospheric dust and particulates from nuclear power plant air streams. These filters have low initial resistance, high dust holding capacity and a choice of three efficiency ranges. These filters are designed for use as prefilters to extend the life of AAF AstroCel® HEPA filters, or as separate duct or line mounted units where HEPA efficiency is not required. VariCels® may be installed for either upstream or downstream service.

Benefits

Dual Density Media Reduces Operating Costs

VariCel® media is manufactured with two layers of glass fibers: coarser fibers on the air entering side, and finer fibers on the air leaving side.

Our dual density design allows dirt particles to be collected throughout the entire depth of the filter, utilizing the full cleaning potential of the media. Maximum dust holding capacity extends the life of the filter, minimizing operating costs.

The water resistant media can withstand intermittent exposure to water, making VariCel® filters ideal for installations in humid areas or where the filters are exposed to moisture.



Product Features

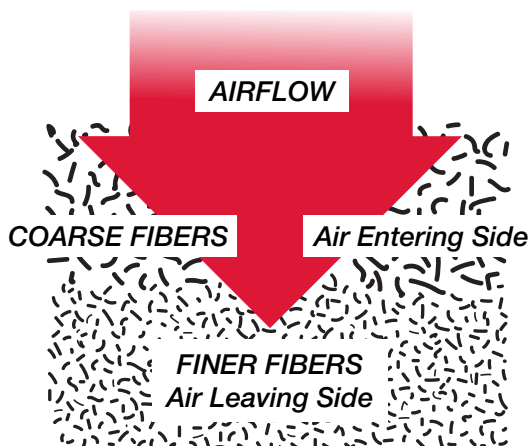
- Multiple efficiencies
- UL Classified
- Unaffected by variable air volume
- Other sizes and construction available
- Maximum surface area provides savings in operating costs

Codes

- ASME AG-1 Section FB
- UL 900
- NQA-1 Quality Assurance Program
- ASHRAE 52.1, 52.2

Applications

- Air Cleaning Units with HEPA's, Carbon Adsorbers, Medium & High Efficiency filters, Moisture Separators, Heaters, Coils and Fans



Contact Us Today!
1.800.477.1214



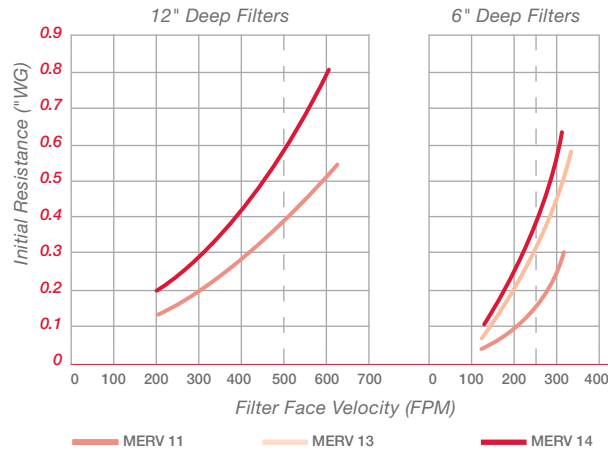
BETTER AIR IS OUR BUSINESS®



NUCLEAR
ENVIRONMENTAL
SYSTEMS

Nuclear Grade VariCel®

Resistance Curve



12\" deep filters are rated at 500 FPM filter face velocity.
6\" deep filters are rated at 250 FPM filter face velocity.
Recommended final resistance for all VariCel® filters is 1.5\" WG.



Performance Specification Data

Ratings	Efficiency	Filter Frame	Filter Media	Media Separators	Gaskets
250 FPM face velocity – 1000 CFM for a 24\" L x 24\" W x 6\" H size 500 FPM face velocity – 2000 CFM for a 24\" L x 24\" W x 11.5\" H size	Three efficiency ranges – Superfine spun glass fiber pleated media. 60-65% MERV 11 80-85% MERV 13 90-95% MERV 14 Efficiency per ASHRAE 52	- Galvanized steel cell sides with media - Retaining flanges 3/4\" flanged header 304 or 409 stainless steel optional	Supported rigid media pack – up to 125 square feet of pleated media surface area	Media separators of crimped aluminum	Neoprene dovetailed gaskets

Dimensions (Nominal)*

Width	Height	Depth
24"	24"	6\" 12"

* Additional sizes available upon request.

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AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

ISO Certified Firm
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