

# VISKON-AIRE\*

## Air Filter Products

### DustGuard Self-Sealing Panel Filter

The Viskon-Aire DustGuard self-synthetic 2-ply polyester fibers. wire supports and heat-sealed The internal steel wire frame is filter holding frame eliminating panel filters are an excellent other critical environments where filter utilizes a perfect balance of over the life of the filter.



Seal panel filters are manufactured from high-quality materials. The media is progressively structured, and the internal seams eliminate media flutter and particle migration. The wire frame is welded and springs into place with a force fit, preventing any air bypass around the filter. The DustGuard self-seal panel filter is an excellent choice for general HVAC systems, food processing, and other applications where point-of-use filtration is required. The DustGuard filter balances efficiency and pressure drop to optimize performance over the life of the filter.

The DustGuard self-seal 2-ply panel filter can be used to upgrade any standard HVAC systems that utilize beverage board pleated panel filters or lose their structure in high humidity environments or replacement of less efficient panel filters.

The Viskon-Aire DustGuard panel filter is tested to ASHRAE 52.2-2017.

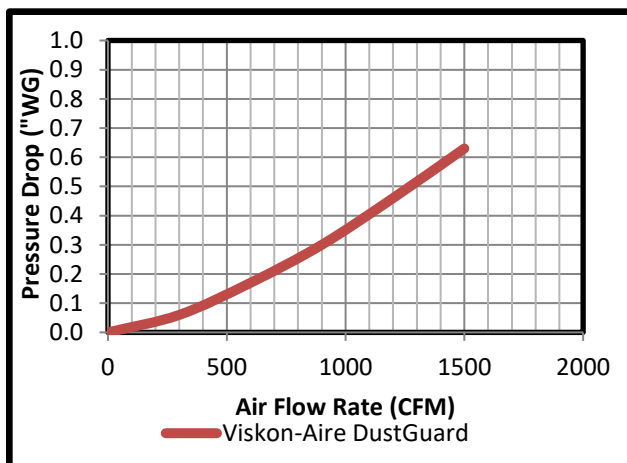
Performance	Results
<b>Pressure Drop @ 1180 CFM</b>	0.46" w.g. (114 Pa)
<b>ASHRAE 52.2-2017</b>	ASHRAE MERV 10
<b>Particle Efficiency @ 5µm</b>	90%
<b>Tackification:</b>	Dry
<b>Media Thickness:</b>	1.5" (22 mm)

#### DustGuard Self-seal panel filter benefits:

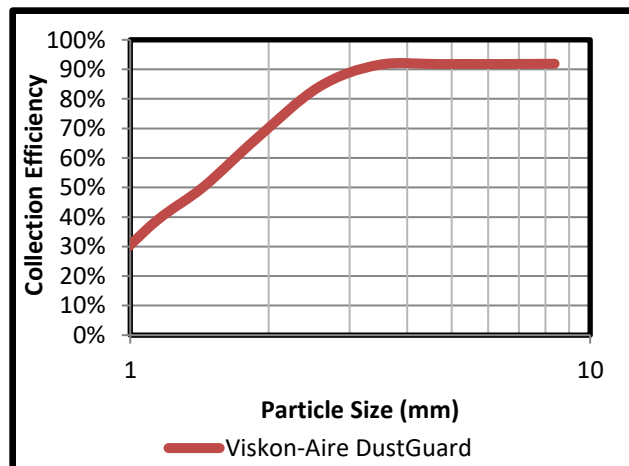
- 90% efficiency on 5µm particles
- Progressive media structure
- Self-extinguishing media
- Panel filters self-seal to eliminate any air bypass
- Dry non-migrating tackifier
- 100% RH resistance
- 9 gauge internal wire frame to support panel
- Excellent filter for general HVAC and food processing
- Continuous temperature of 212°F (60 °C) Peaks 250°F



#### Pressure Drop Curve



#### Particle Size Efficiency



# "When Clean Air Is Critical"



## Performance Technical Data:

Viskon-Aire Model Number	MERV Rating EN779	Capacity CFM (m <sup>3</sup> /hr)	Initial Pressure Drop inches w.g. (Pa)	Particle Efficiency at 5µm (microns)
DustGuard 10P-2424	10 (G4)	1180 (33.4 M <sup>3</sup> /min)	0.46 w.g. (114 Pa)	90%

## Performance Data Notes for Viskon-Aire Filters:

1. Pressure drop represents inches of water (0.46" w.g.) at 295 FPM, with the filter being in a clean condition. Final pressure drop is recommended to 1.0" w.g. ; however, it is recommended that the pressure drop change out point should be selected based on the loading of the panels during the operational life of the filter.
2. Efficiency is based upon ASHRAE Test Standard 52.2-2017

## Product Shipping & Packaging Information for Pads, Rolls, & Self-seal Panel Filters:

Filter Model #	Size (mm)	Weight Lbs Per Case (lbs)	Packaging	Carton Dimensions Inches (mm)
DustGuard 10P-2424	24" x 24" x 1.75" (610x610x44.45)	32	24 per case	27" x 23" x 27" (686x584x686)
DustGuard 10P-2020	20" x 20" x 1.75" (508x508x44.45)	29	24 per case	22" x 23" x 22" (559x584x559)
DustGuard 10P-2024	20" x 24" x 1.75" (508x609x44.45)	31	24 per case	22" x 23" x 27" (559x584x686)
DustGuard 10P-2025	20" x 25" x 1.75" (508x635x44.45)	31	24 per case	22" x 23" x 27" (559x584x686)

**Note: All standard self-seal panel filters available - call factory**

Viskon-Aire Corporation has a policy of continuous research & development and reserves the right to change the design and specifications without notice.

## Other Viskon-Aire Products

Viskon-Aire Corporation manufactures a complete line of polyester panels for just about any application. Viskon-Aire offers the T-700/G Diffusion Panel, VR-1 Premium, Series 55 with PBT-32™ Tackifier, and Series 45 Economy for your paint booths along with 154 3-ply w/tackifier, Series 153 2ply with dry tackifier and Series 152 dry panels as prefilters. With Viskon-Aire's high quality filter portfolio, you can select filters based upon your operating environment and choose the most economical filter system for your location.

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