

VISKON-AIRE*

Air Filter Products

Series 55 Self-Sealing Panel Filter

The Viskon-Aire* Series 55 self-seal panel filters are manufactured from high quality synthetic 2-ply polyester fibers. The media is progressively structured and the internal wire supports and heat sealed seams eliminate media flutter and particle migration. The internal steel wire frame is welded and springs into place with a force fit into the filter holding frame eliminating any air bypass around the filter. The media is treated with a proprietary PBT-32 tackification process that is applied by high pressure roller coating of the fibers downstream which will not migrate while capturing any paint damaging particles from dislodging downstream, regardless of the vibration typically found in industrial spraybooths. The Series 55 panel filter utilizes a perfect balance of efficiency and pressure drop to optimize performance over the life of the filter.



The Series 55 self-seal 2-ply panel filter can be used to upgrade surface finishing environment that requires *dust free finishes*.

The Viskon-Aire* Series 55 panel filter has been tested to ASHRAE 52.2-2017 and the Particle Migration Test (PMT).

Series 55 Self-seal panel filter benefits:

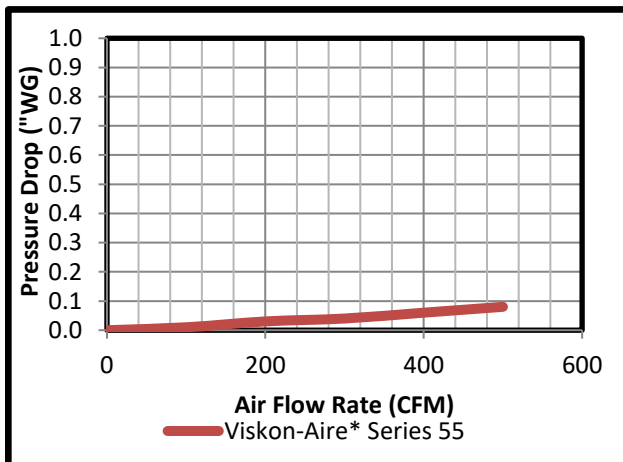
- 100% efficiency on 10µm particles (PMT Test)
- Progressive media structure
- Optimizes plenum pressurization for even air flow
- Self-extinguishing media
- Panel filters self-seal to eliminate any air bypass
- Exclusive PBT-32 tackifier
- 100% RH resistance
- 11 gauge internal wire frame to support panel
- Solvent resistant media during booth cleaning
- Continuous temperature 180°F (82.2 °C) Peaks 200°F

Performance	Results
Pressure Drop @ 100 FPM	0.06" w.g. (15 Pa)
ASHRAE 52.2-2017	ASHRAE MERV 8
Particle Migration Test Class:	S1 Test Class 5 µm
Tackification:	Dry
Media Thickness:	7/8 Inch (22 mm)
Media Weight:	300 grams/m ²

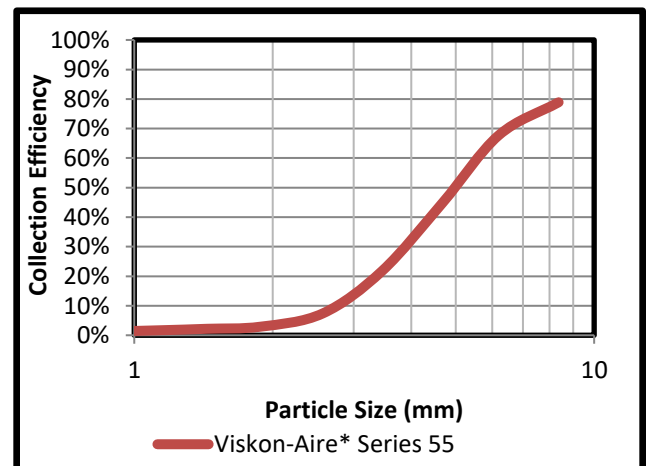


Pressure Drop Curve

S1 CLASS (PMT)



Particle Size Efficiency



“When Clean Air is Critical”

Performance Technical Data:

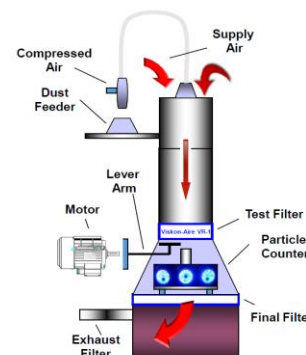
Viskon-Aire* Model Number	MERV Rating EN779	Capacity FPM (m ³ /hr)	Initial Pressure Drop inches w.g. (Pa)	Particle Migration Test (PMT)
Series 55	7 (G4)	100 FPM (100 M ³ /min)	0.06 w.g. (15 Pa)	SO 99.82% 10µm SO 99.82% 5µm

Performance Data Notes for Viskon-Aire* Filters:

1. Pressure drop represents inches of water (0.06“ w.g.) at 100 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 be selected on the basis of the loading of the pads during the operational life of the filter.
2. Efficiency is based upon ASHRAE Test Standard 52.2-2017 and the Particle Migration Test (PMT).

Viskon-Aire Particle Migration Penetration Testing (PMT)

When “Clean Air is Critical” Viskon-Aire tests their diffusion filters in two ways to ensure that you have the best product on the market. To ensure “Dust Free Finishes” Viskon-Aire has two test protocols, ASHRAE 52.2-2017 as well as the Particle Migration Test (PMT) which tests the retention behavior of our product offerings in the surface treatment market. The PMT test stresses the diffusion pad or panel with AlO₂ with free running white aluminum oxide particles (ASTM F7-95 (2011) as the challenge aerosol using a vertical test duct to determine penetration efficiency of the pad or panel filter, using 52.2 based protocols conducted by independent laboratories. Of the two tests, the Particle Migration Test (PMT) simulates the actual operating conditions found in today's modern automotive spraybooths, whether automotive assembly plants or autobody shops, vibrations of the diffusion media overtime can cause particles to migrate through the media structure damaging your surface finish.



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

Filter Model #	Size (mm)	Weight Lbs (kg)	Packaging	Carton Dimensions Inches
R85T Cut Pads	All Standard Sizes	TBD	TBD	TBD
R85T Bulk Rolls 918-005	60" x 90' (1524 x 27,432)	42 (19)	Plastic Bag	Plastic Bag
Series 55 Panel Filters 880-000	24" x 24" x 1" (610x610x25.6)	27	24/case	26.5 x 16.5 x 26.5
Series 55 Panel Filters 865-006	20" x 20" x 1" (508x508x25.6)	15	20/case	22.5 x 14.5 x 22.5
Series 55 Panel Filters 865-009	20" x 24" x 1" (508x609x25.6)	20	20/case	22.5 x 14.5 x 27.5
Series 55 Panel Filters 872-000	20" x 25" x 1" (508x635x25.6)	21	24/case	22.5 x 4.5 x 27.5
Series 55 Panel Filters 464-100	20" x 50" x 1" (508x1270x25.6)	13	8/case	22.5 x 14.5 x 27.5
Series 55 Panel Filters 462-120	20" x 48" x 1" (508x1219x25.6)	13	8/case	22.5 x 14.5 x 27.5

Note: Slit rolls available, 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.

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