

VISKON-AIRE*

Air Filter Products

MV Series Rigid V Filters

Viskon-Aire* V Series rigid filters are designed to meet the toughest operating environments. The V-Series rigid filter can be used in general HVAC systems, automotive assembly plants, hospitals, gas turbines, diesel intakes, pharmaceutical facilities, telecommunication switching stations, and industrial environments where strong rugged performance is required.

The Visikon-Aire* V Series rigid filters are manufactured from rigid ABS plastic components with a class leading media area of 200 square feet. The Visikon-Aire* V Series uses a unique glue bead pattern to maintain the correct pleat geometry that ensures no obstruction to air flow while providing even dirt loading throughout the media pack. Each pack is potted to eliminate any by-pass through the filter.

The filter media is manufactured from high quality wet-laid glass fibers hydrophobically treated to resist high RH environments.

The Visikon-Aire* V-Series has been tested to both ASHRAE 52.2-2012, ISO Test Standard 16890, & EN1822



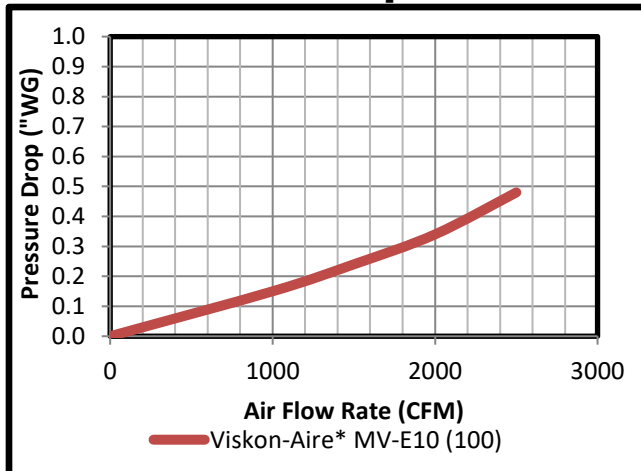
The Visikon-Aire*V Series Rigid Filter Benefits:

- Sustainable filter efficiency
- Low pressure drop (ΔP) for better energy efficiency
- Class leading media area 200 Ft²
- High dust holding capacity
- V Pleat Geometry eliminates obstruction to air flow
- All plastic construction
- Microbial resistant - 99% Bacteria Filter Efficiency
- 100% RH resistance
- Maximum Temperature 176°F (80°C)

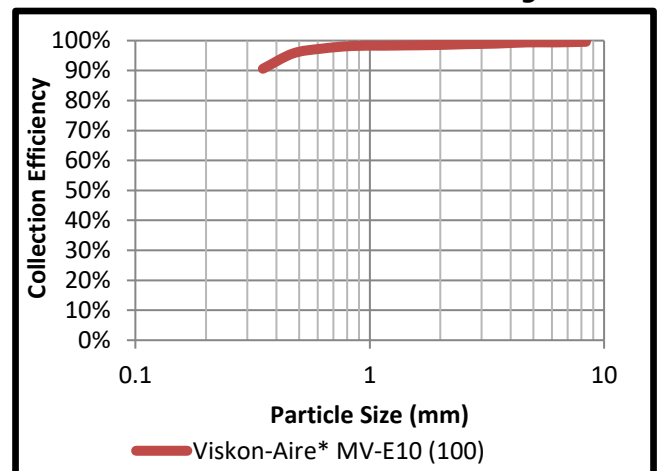
Performance	Results
Pressure Drop @ 1,968 CFM	0.55" w.g. (137 Pa)
Particle Size Efficiency @ 1 μ m	>99%
Burst Strength Pressure Test:	25.0" w.g. (6227 Pa)
Sustainable Efficiency:	ASHRAE MERV 16-A
(H)EPA Sustainable Efficiency:	E10 EN1822
Dust Hold Capacity:	403 grams @ 1.50" w.g.



Pressure Drop Curve



Particle Size Efficiency



“When Clean Air is Critical”

Performance Technical Data:

Viskon-Aire* Model Number	MERV Rating (EN1822)	Actual Dimensions Inches (mm)			Capacity CFM (m ³ /hr)	Initial Pressure Drop inches w.g. (Pa)	Media Area ft ² (m ²)
		Height	Width	Depth			
4VBH10242412	16 (E10)	23- 5/16" (592)	23- 5/16" (592)	11.5" (292)	2,000 (3,400)	0.55" w.g. (137 Pa)	200 ft ² 18.58 m ²
4VBH10202412	16 (E10)	19- 5/16" (490)	23- 5/16" (592)	11.5" (292)	1,666 (2,833)	0.55" w.g. (137 Pa)	160 ft ² 14.87 m ²
4VBH10122412	16 (E10)	11- 5/16" (287)	23- 5/16" (592)	11.5" (292)	1,000 (1,700)	0.55" w.g. (137 Pa)	100ft ² 9.29 m ²

Performance Data Notes for Viskon-Aire Filters:

1. Pressure drop represents inches of water (0.55" w.g) with the filter being in a clean condition. Final pressure drop is recommended to 2.5" w.g., however, it is recommended that the pressure drop change should be selected on the basis of life cycle costing that optimizes the best energy saving in HVAC systems or energy output when applied to gas turbine machinery.
2. Efficiency is based upon ASHRAE Test Standard 52.2-2012.
3. Note: Filter header depth is 1" (24mm) and may not be able to be used in certain side-access housings, check housing before installation.

Product Shipping & Packaging Information:

Filter Size	Actual Dimensions Inches (mm)			Weight Lbs (kg)	Packaging	Carton Dimensions Inches (mm)
	Height	Width	Depth			
MV Series	23- 5/16" (592)	23- 5/16" (592)	11.5" (292)	16.5 lbs (7.5 kg)	One per carton	24"x25"x12-1/2" (615x630x315)
MV Series	19- 5/16" (490)	23- 5/16" (592)	11.5" (292)	13.2 lbs (6.0 kg)	One per carton	20"x25"x12-1/2" (515x630x315)
MV Series	11- 5/16" (287)	23- 5/16" (592)	11.5" (292)	8.8 lbs (4.0 kg)	One per carton	12"x25"x12-1/2" (310x630x315)

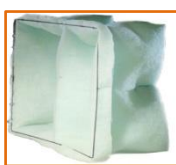
Viskon-Aire Corporation has a policy of continuous research & development and reserves the right to change the design and specifications without notice.

Viskon-Aire* High Performance Pre-filter Products

Viskon-Aire* Corporation manufactures a complete line of complementary pre-filter products. Viskon-Aire* offers self-seal panel filters and links, Series 440 V Cube type pockets that incorporate our proprietary FDA PBT-32 non-drying tackification system that is roller coated deep into the media at high pressure. The Series 440 V cube filters can be purchased in either 2 or 3 pocket configurations using either the self-sealing spring-loaded metal ring that seals the overlapping media snugly into a filter frame, or metal headers for side-access systems. Viskon-Aire* Corp. also manufactures a complete line of synthetic and air-laid microfiberglass pocket filters including the newly introduced "Revolution" sustainable synthetic pocket filter series. With Viskon-Aire's high quality pre-filter portfolio, you can select filters which will protect your final filter investment and ensure long life of the total filter system.



Links & Panels



V Cube Filters



Glass Pockets



Synthetic Pockets

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