

# 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 194 square feet of media area. 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 AND ISO Test Standard 16890

#### The Visikon-Aire\*V Series Rigid Filter Benefits:

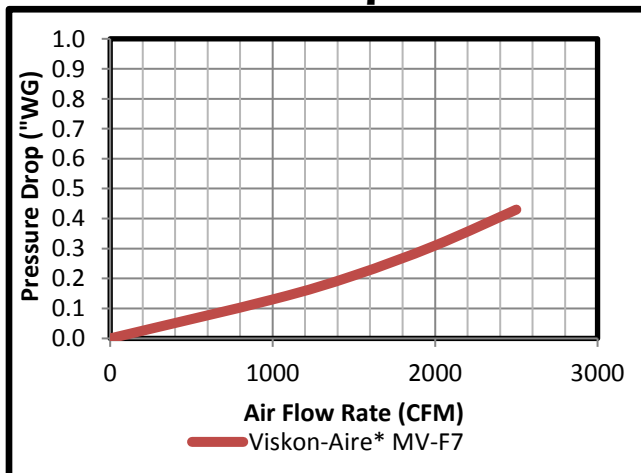
- Sustainable filter efficiency
- Low pressure drop ( $\Delta P$ ) for better energy efficiency
- Media area of 194 sq. Ft<sup>2</sup>
- High dust holding capacity
- V Pleat Geometry eliminates obstruction to air flow
- All plastic construction
- Microbial resistant - 95% Bacteria Filter Efficiency
- 100% RH resistance
- Maximum Temperature 176°F (80°C)



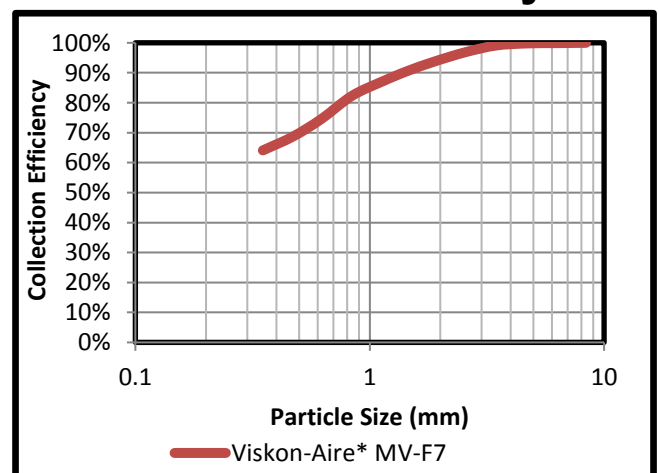
Performance	Results
Pressure Drop @ 1,968 CFM	0.31" w.g. (85 Pa)
Particle Size Efficiency @ 1 $\mu$ m	84%
Burst Strength Pressure Test:	25.0" w.g. (6227 Pa)
Sustainable Efficiency:	ASHRAE MERV 13-A
Dust Hold Capacity:	313 grams @ 1.50" w.g.



**Pressure Drop Curve**



**Particle Size Efficiency**



**“When Clean Air is Critical”**

## Performance Technical Data:

Viskon-Aire* Model Number	MERV Rating (EN 779)	Actual Dimensions Inches (mm)			Capacity CFM (m <sup>3</sup> /hr)	Initial Pressure Drop inches w.g. (Pa)	Media Area ft <sup>2</sup> (m <sup>2</sup> )
		Height	Width	Depth			
MV-F7-03	13 (F7)	23- 5/16" (592)	23- 5/16" (592)	11.5" (292)	2,000 (3,400)	0.31" w.g. (77 Pa)	193 ft <sup>2</sup> 17.93 m <sup>2</sup>
MV-F7-02	13 (F7)	19- 5/16" (490)	23- 5/16" (592)	11.5" (292)	1,666 (2,833)	0.31" w.g. (77 Pa)	160 ft <sup>2</sup> 14.87 m <sup>2</sup>
MV-F7-01	13 (F7)	11- 5/16" (287)	23- 5/16" (592)	11.5" (292)	1,000 (1,700)	0.31" w.g. (77 Pa)	100ft <sup>2</sup> 9.29 m <sup>2</sup>

### Performance Data Notes for Viskon-Aire Filters:

1. Pressure drop represents inches of water (0.31" 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			
<b>MV-F7-03</b>	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)
<b>MV-F7-02</b>	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)
<b>MV-F7-01</b>	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)

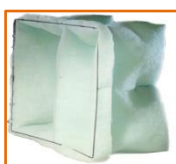
Viskon-Aire Corporation has a policy of continuous research & development and reserves the right to change the design and specifications without notice.

### 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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