

## REVOLUTION POCKET (MERV 14)

Revolution extended surface pocket filters utilize a unique proprietary synthetic depth-loading media utilizing pre-formed pocket waves in the manufacturing process to increase the effective media area by more than 2.4 times in the same space. This proprietary manufacturing process greatly enhances the dust holding capacity vs. generic “me-too” pocket filters in the market today, more importantly the unique synthetic fiber matrix will not lose its efficiency compared to other synthetic or “electrostatic” pocket or bag filters used in the market, the Revolution is a “sustainable filter” and will not lose its efficiency during its operational life.

The Revolution is manufactured with galvanized header to ensure its rigidity while providing a leak-proof design. The pockets are formed and sonically welded to eliminate the need for stitching throughout the pocket. The Revolution extended surface filters can be used in general HVAC systems, surface finishing plants, hospitals, pharmaceutical plants, food processing plants, telecommunication stations, and industrial environments where sustained performance and high dust-holding capacity is required.

The Revolution has been tested to ASHRAE 52.2-2012



### THE REVOLUTION BENEFITS:

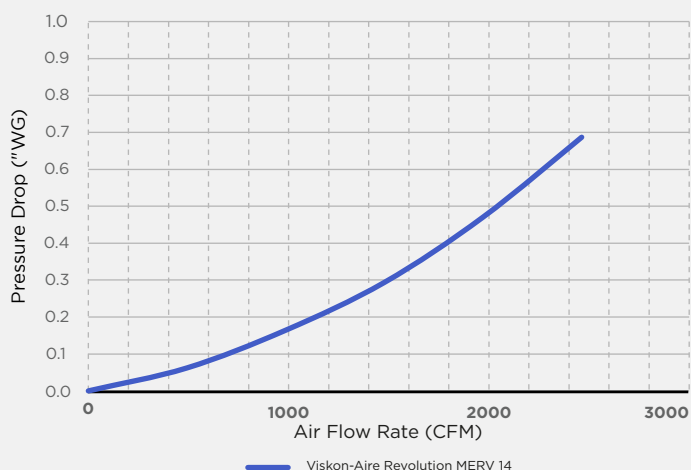
- Sustainable filter efficiency
- Low pressure drop ( $\Delta P$ )
- Patented dust pocket waves throughout media
- High dust holding capacity
- V formed heat-sealed pockets for better air flow
- 100% RH resistance
- Maximum Temperature 140°F (60°C)

PERFORMANCE	RESULTS
Pressure Drop @ 1,968 CFM	0.50" w.g. (124.5 Pa)
Particle Size Efficiency @ 5 $\mu$ m	100%
Burst Strength Pressure Test:	12.0" w.g. (3000 Pa)
Sustainable Efficiency:	ASHRAE MERV 14
Dust Hold Capacity:	776 grams @ 1.50" w.g.

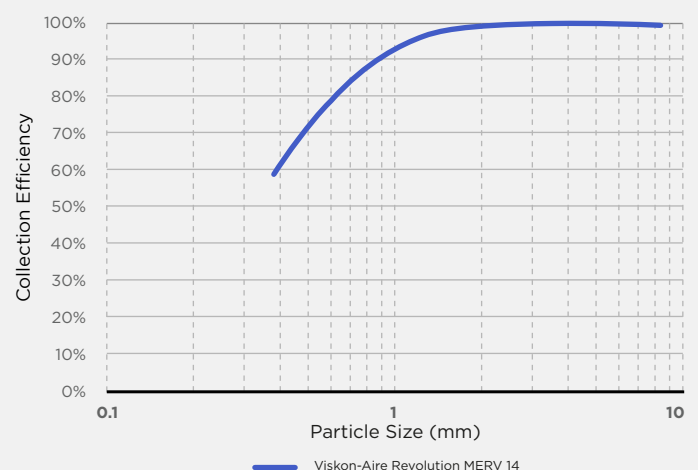
### APPLICATIONS



### PRESSURE DROP CURVE



### PARTICLE SIZE EFFICIENCY



## “WHEN CLEAN AIR IS CRITICAL”

### PERFORMANCE TECHNICAL DATA

Viskon-Aire* Model Number	MERV Rating EN779	Actual Dimensions Inches (mm)			Capacity CFM (m <sup>3</sup> /hr)	Initial Pressure Drop inches w.g. (Pa)	Pockets	Media Area ft <sup>2</sup> (m <sup>2</sup> )
		Width	Height	Depth				
Revolution RV1424242208	14 (F8)	23- 5/16" (592)	23- 5/16" (592)	22" (559)	2,000 (3,400)	0.50" w.g. (124 Pa)	8	58 ft <sup>2</sup> 5.39 m <sup>2</sup>
Revolution RV1412242204	14 (F8)	11- 5/16" (287)	23- 5/16" (592)	22" (559)	1,000 (1,700)	0.50" w.g. (124 Pa)	4	29 ft <sup>2</sup> 2.69 m <sup>2</sup>
Revolution RV1424242608	14 (F8)	23- 5/16" (592)	23- 5/16" (592)	26" (660)	2,000 (3,400)	0.46" w.g. (114 Pa)	8	66 ft <sup>2</sup> 6.1 m <sup>2</sup>
Revolution RV1412242604	14 (F8)	11- 5/16" (287)	23- 5/16" (592)	26" (660)	1,000 (1,700)	0.46" w.g. (114 Pa)	4	34 ft <sup>2</sup> 3.15 m <sup>2</sup>

### PERFORMANCE DATA NOTES FOR VISKON-AIRE FILTERS

1. Pressure drop represents inches of water (0.50" w.g) for a 22" depth filter while the 26" depth is 0.46" with the filter being in a clean condition at 2,000 CFM. Final pressure drop is recommended to 1.5" 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 savings in HVAC systems.
2. Efficiency is based upon ASHRAE Test Standard 52.2-2012

### PRODUCT SHIPPING & PACKAGING INFORMATION

Filter Size	Actual Dimensions Inches (mm)			Weight Lbs (kg)	Packaging	Carton Dimensions Inches (mm)
	Width	Height	Depth			
Revolution RV1424242208	23- 5/16" (592)	23- 5/16" (592)	22" (559)	6.5 lbs (2.95 kg)	4 per carton	25"x25"x12" (635x635x305)
Revolution RV1412242204	11- 5/16" (287)	23- 5/16" (592)	22" (559)	3.75 lbs (1.70 kg)	4 per carton	12"x25"x12" (305x635x305)
Revolution RV1424242608	23- 5/16" (592)	23- 5/16" (592)	26" (660)	7 lbs (3.18 kg)	4 per carton	25"x25"x12" (635x635x305)
Revolution RV1412242604	11- 5/16" (287)	23- 5/16" (592)	26" (660)4	4 lbs (1.81 kg)	4 per carton	12"x25"x12" (305x635x305)

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 REVOLUTION POCKET FILTERS PRODUCTS

Viskon-Aire Corporation manufactures a complete line of proprietary synthetic pocket filter products for just about any application. The Viskon-Aire Revolution pocket filter line provides a non-shedding sustainable efficiency that will sustain its specified efficiency, unlike “electrostatic” filters that can loose up to 2-3 MERV ratings, the Viskon-Aire Revolution , all synthetic and sustainable penetration efficiency, a filter that will never let you down, or its efficiency!

For questions and orders contact  
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