

VISKON-AIRE*

Air Filter Products

SuperCel V Max HEPA Filter

Viskon-Aire SuperCel V Max HEPA filter can withstand the most demanding operating environments. The SuperCel V Max HEPA filter is specifically designed for high flow applications that require HEPA filtration at the lowest possible pressure drop while maintaining their specified penetration efficiency. The V pleat-formation has a penetration efficiency of 99.99% at 0.30µm and can withstand high air flows exceeding 600 FPM and a pressure drop of 1.0" w.g. while maintaining the integrity of the filter.

The Visikon-Aire SuperCel V Max HEPA filter is manufactured with "PreForm" wet-laid micro fiberglass media. The SuperCel V Max filter delivers HEPA efficiency for the installation's life. The filter is designed with optimized pleat geometry and surface area to minimize energy usage and maximize particle loading, providing extended life and the lowest pressure drop possible. Each pack is potted within a non-corrosive plastic frame to eliminate bypass in the filter. The SuperCel V Max HEPA filter incorporates recessed carry-all handles for ease of handling and installation.

The media area is optimized, and the pleat geometry allows for the lowest pressure drop possible; in some cases, the SuperCel V Max may have fewer media areas than competitive HEPA filters yet will still have an overall lower ΔP.

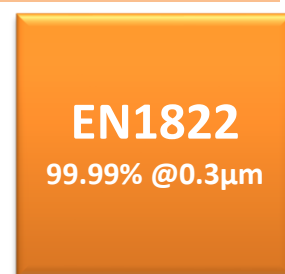
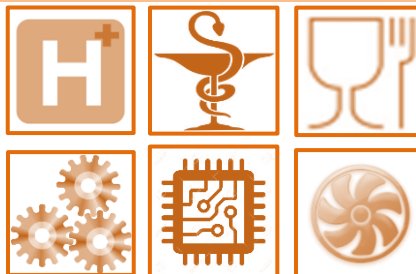
The Visikon-Aire SuperCel V Max HEPA is tested to EN1822 Test Standard.

The Visikon-Aire SuperCel V Max Filter Benefits:

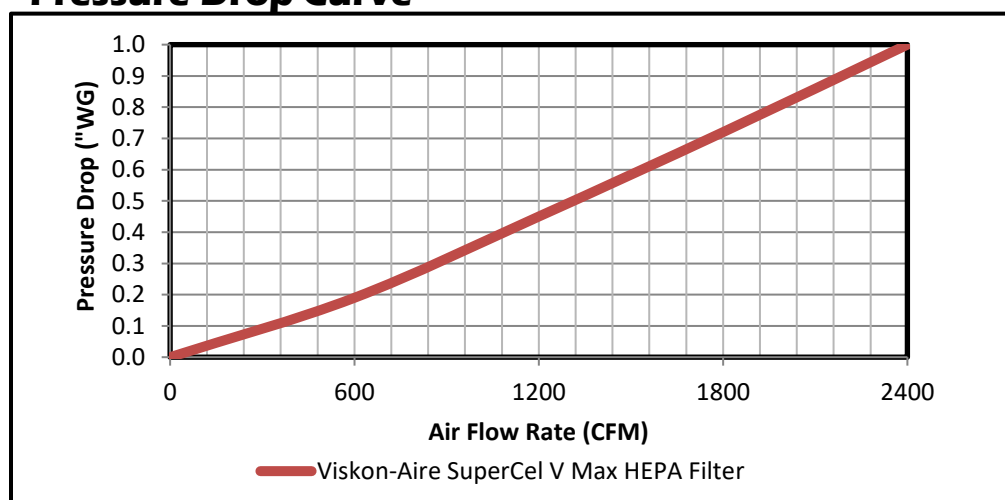
- Longer service life due to optimized pleat geometry and large surface area - 430 sq. ft.
- Low-pressure drop (ΔP) at 600 FPM 1.00" w.g.
- Two-component continuous polyurethane gasket
- All plastic construction with built-in handles
- Chemical resistant ABS plastic construction
- 100% RH resistance
- Maximum Temperature 175°F (79.4°C)



Performance	Results
Pressure Drop @ 2,400 CFM:	1.00" w.g. (249Pa)
Efficiency:	0.3µm 99.99% (H13)
Final Pressure Drop:	2.5" w.g. (622 Pa)
Media:	Perform high permeability glass
Media Area:	430 sq. ft (39.95)



Pressure Drop Curve



“When Clean Air Is Critical”

Performance Technical Data:

Viskon-Aire Model Number	EN1822 HEPA Class	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			
VASCV242412-M P	H13	24" (610)	24" (610)	11.5" (292)	2,400 (4077)	1.00" w.g. (249 Pa)	430 ft ² 39.95 m ²
VASCV122412-MP	H13	12" (305)	24" (610)	11.5" (292)	1200 (2038)	1.00" w.g. (249 Pa)	215ft ² 19.97 m ²
VASCV182412-MP	H13	18" (457)	24" (610)	11.5" (292)	1,750 (2,973)	1.00" w.g. (249 Pa)	320 ft ² 29.736 m ²

Performance Data Notes for Visikon-Aire Filters:

1. Pressure drop represents inches of water (1.00" 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 based on 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 the EN1822 test protocol.
3. Note: Dimensions are exact.

Product Shipping & Packaging Information:

Filter Size	Actual Dimensions Inches (mm)			Weight Lbs (kg)	Packaging	Carton Dimensions Inches (mm)
	Height	Width	Depth			
VASCV242412-MP	24" (610)	24" (610)	11.5" (292)	35 Lbs. (15.88 kg)	One per carton	25" x 13" x 25" (635 x 330 x 635)
VASCV122412-MP	12" (305)	24" (610)	11.5" (292)	25 Lbs. (11.34 kg)	One per carton	25" x 13" x 13" (635 x 330 x 330)
VASCV182412-MP	18" (457)	24" (610)	11.5" (292)	31 Lbs. (14.06 kg)	One per carton	25" x 13" x 18" (635 x 330 x 457)

Viskon-Aire Corporation has continuous research & development policy 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. Visikon-Aire offers a broad efficiency range of 4V-Cell filters from MERV 13 to MERV 16 to protect your SuperCel V Max HEPA filter from prematurely loading with particulate. With Visikon-Aire's high-quality pre-filter portfolio, you can select filters that will protect your final filter investment and ensure the long life of the total filter system, contact your Visikon-Aire representative.

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