

VISKON-AIRE*

Air Filter Products

Series 440 HC 3-Pocket Filters

Viskon-Aire* Series 440 HC 3-pocket, self-sealing extended surface filters are designed to meet the harshest operating environments in any HVAC system. The Series 440 HC is manufactured from progressively structured fibers to better manage ingested particles throughout the two-plys of media. On the upstream side, larger denier fibers are used to capture large particles, and on the downstream side finer denier fibers are used to capture and retain smaller particles. The Series 440 HC uses a proprietary non-migrating PBT-32 tackifying system which is FDA approved to ensure retention of captured particulate, even in turbulent HVAC systems.



The Series 440 HC uses a unique self-sealing design with a 9 gauge wire that force fits the filter media into the filter framing system ensuring a no-leak design. For side access units, just ask the Visikon-Aire* representative for the model number for side-access HVAC systems. The Series 440 HC extended surface filter can be used in general HVAC systems, automotive assembly plants, hospitals, pharmaceutical facilities, telecommunication switching stations, and industrial environments where strong performance is required.

The Visikon-Aire* Series 440 HC has been tested to both ASHRAE 52.2-2012

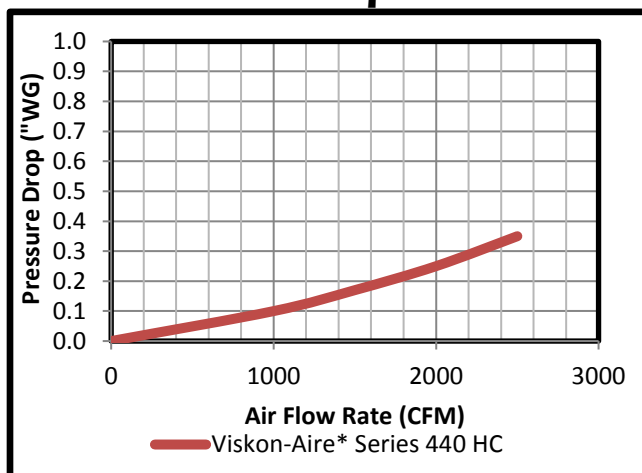
The Visikon-Aire* Series 440 HC Benefits:

- Sustainable filter efficiency
- Low pressure drop (ΔP)
- Media area 18 Ft²
- FDA approved non-migrating tackifier (PBT-32)
- High dust holding capacity
- V formed pockets for better air flow
- Self-sealing header design to eliminate air by-pass
- Heat sealed pockets - no stitching
- 100% RH resistance
- Maximum Temperature 140°F (60°C)

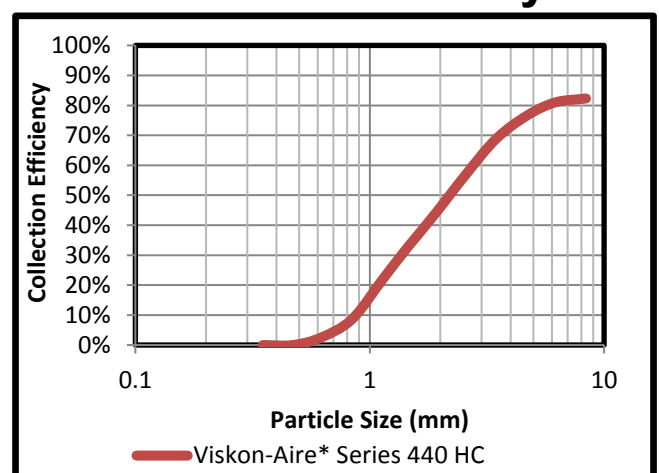
Performance	Results
Pressure Drop @ 1,968 CFM	0.27" w.g. (67 Pa)
Particle Size Efficiency @ 10 μ m	>83%
Burst Strength Pressure Test:	6.0" w.g. (1500 Pa)
Sustainable Efficiency:	ASHRAE MERV 8
Dust Hold Capacity:	730 grams @ 1.50" w.g.



Pressure Drop Curve



Particle Size Efficiency



“When Clean Air is Critical”

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Performance Technical Data:

Viskon-Aire* Model Number	MERV Rating EN779	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			
Series 440 HC 440-905	8 (G4)	23- 5/16" (592)	23- 5/16" (592)	15" (380)	2,000 (3,400)	0.27" w.g. (67 Pa)	18 ft ² 1.67 m ²
Series 440 HC 440-904	8 (G4)	11- 5/16" (287)	23- 5/16" (592)	15" (380)	1,000 (1,700)	0.27" w.g. (67 Pa)	9 ft ² 0.84 m ²
Series 440 HC 440-906	8 (G4)	19- 5/16" (490)	23- 5/16" (592)	15" (380)	1,666 (2,833)	0.27" w.g. (67 Pa)	15 ft ² 1.39 m ²
Series 440 HC 440-902	8 (G4)	19- 5/16" (490)	19- 5/16" (490)	15" (380)	1,389 (2,360)	0.27" w.g. (67 Pa)	12 ft ² 1.11 m ²

Performance Data Notes for Viskon-Aire* Filters:

1. Pressure drop represents inches of water (0.27" w.g) with the filter being in a clean condition. 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.
3. Note: Filter is self sealing using compression force fit into header with 9 gauge spring steel, metal headers can be purchased with 1" (24mm) galvanized steel for side-access housings, consult with Viskon-Aire* for pricing and availability.

Product Shipping & Packaging Information:

Filter Size	Actual Dimensions Inches (mm)			Weight Lbs (kg)	Packaging	Carton Dimensions Inches (mm)
	Height	Width	Depth			
Series 440 HC 440-905	23- 5/16" (592)	23- 5/16" (592)	15" (380)	4 lbs (1.81 kg)	2 per carton	12"x25"x25" (305x635x635)
Series 440 HC 440-904	11- 5/16" (287)	23- 5/16" (592)	15" (380)	2.4 lbs (1.09 kg)	2 per carton	12"x25"x12" (305x635x305)
Series 440 HC 440-906	19- 5/16" (490)	23- 5/16" (592)	15" (380)	3.4 lbs (1.54 kg)	2 per carton	21"x25"x25" (533x635x635)
Series 440 HC 440-902	19- 5/16" (490)	19- 5/16" (490)	15" (380)	3 lbs (1.36 kg)	2 per carton	21"x21"x12" (533x533x305)

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* Series V Pre-filter Products

Viskon-Aire* Corporation manufactures a complete line of polyester V Series pre-filter products for just about any application. Viskon-Aire* offers the Series 140 3-ply w/tackifier, Series 430 1-ply with dry tackifier, Series 440 2-ply w/tackifier, Series 440HC w/tackifier with a high loft built in pre-filter for heavy dust-load environments, and the Series 63, 1-ply with built in dry tackifier system. With Viskon-Aire's high quality pre-filter portfolio, you can select filters based upon your operating environment and choose the most economical filter system for your location.

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