

VISKON-AIRE*

Air Filter Products

Series 440 Pocket Filters

Viskon-Aire Series 440 pocket, self-sealing extended surface filters are designed to meet the harshest operating environments in any HVAC system. The Series 440 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 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 uses a unique self-sealing design with two 11 gauge wires that force fits the filter media into the perimeter of the filter framing ensuring a no-leak design. For side access units, just ask your Visikon-Aire representative for the model number of a metal header for side-access HVAC systems. The Series 440 extended surface filter can be used in general HVAC systems, automotive assembly plants, hospitals, pharmaceutical facilities, food processing facilities, telecommunication switching stations, and industrial environments where strong performance and high dust-holding capacity is required.

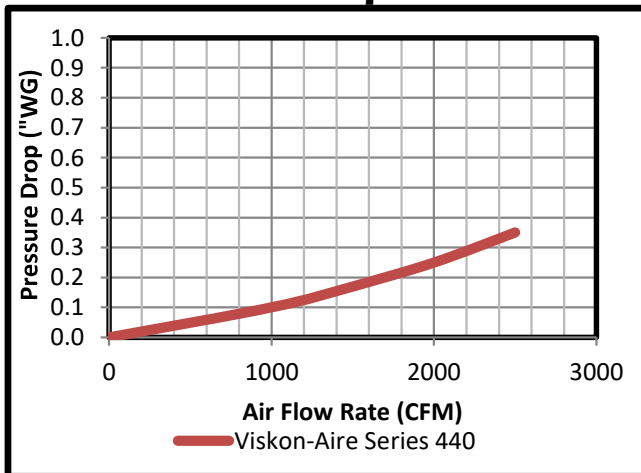
The Visikon-Aire Series 440 has been tested to ASHRAE 52.2-2007.

The Visikon-Aire Series 440 Benefits:

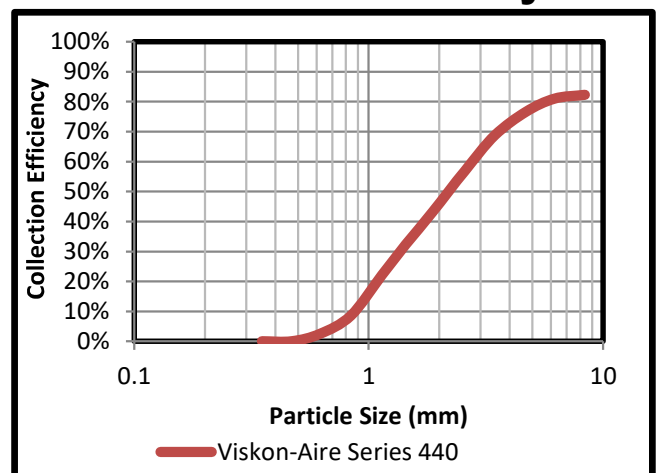
- Sustainable filter efficiency
- Low pressure drop (ΔP)
- Media area of 15 Ft²
- FDA approved non-migrating tackifier (PBT-32)
- High dust holding capacity
- V formed heat-sealed pockets for better air flow
- Self-sealing header design to eliminate air by-pass
- 100% RH resistance
- Maximum Temperature 140°F (60°C)

Performance	Results
Pressure Drop @ 1,968 CFM	0.25" w.g. (62 Pa)
Particle Size Efficiency @ 10 μ m	>82%
Burst Strength Pressure Test:	6.0" w.g. (1500 Pa)
Sustainable Efficiency:	ASHRAE MERV 8
Dust Hold Capacity:	687 grams @ 1.50" w.g.

Pressure Drop Curve



Particle Size Efficiency



“When Clean Air is Critical”

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 440 440-005	8 (G4)	23- 5/16" (592)	23- 5/16" (592)	15" (380)	2,000 (3,400)	0.25" w.g. (62 Pa)	15 ft ² 1.39 m ²
Series 440 440-004	8 (G4)	11- 5/16" (287)	23- 5/16" (592)	15" (380)	1,000 (1,700)	0.25" w.g. (62 Pa)	6 ft ² 0.56 m ²
Series 440 440-006	8 (G4)	19- 5/16" (490)	23- 5/16" (592)	15" (380)	1,666 (2,833)	0.25" w.g. (62 Pa)	10 ft ² 0.93 m ²
Series 440 440-002	8 (G4)	19- 5/16" (490)	19- 5/16" (490)	15" (380)	1,389 (2,360)	0.25" w.g. (62 Pa)	8.3 ft ² 0.77m ²

Performance Data Notes for Visikon-Aire Filters:

1. Pressure drop represents inches of water (0.25" 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 52.2-2007.
3. Note: Filter is self sealing using compression force fit into header with two pieces of 11 gauge spring steel, metal headers can be purchased with 1" (24mm) galvanized steel for side-access housings, consult with Visikon-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 440 440-005	23- 5/16" (592)	23- 5/16" (592)	15" (380)	2.6 lbs (1.18 kg)	4 per carton	25"x25"x12" (635x635x305)
Series 440 440-004	11- 5/16" (287)	23- 5/16" (592)	15" (380)	2.0 lbs (0.91 kg)	4 per carton	12"x25"x12" (305x635x305)
Series 440 440-006	19- 5/16" (490)	23- 5/16" (592)	15" (380)	2.5 lbs (1.13 kg)	4 per carton	25"x25"x12" (635x635x305)
Series 440 440-002	19- 5/16" (490)	19- 5/16" (490)	15" (380)	2.3 lbs (1.04 kg)	4 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 Visikon-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. Visikon-Aire offers the Series 140 3-ply w/tackifier, Series 430 1-ply 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 Visikon-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.

