

Pleated Filter

MERV 13



Synthetic Spacing Bands optimizes airflow through filter



Durable plastic frame is resistant to moisture, warping and microbial growth



Polyurethane seal on both ends of filter strengthens V-Shaped pleats

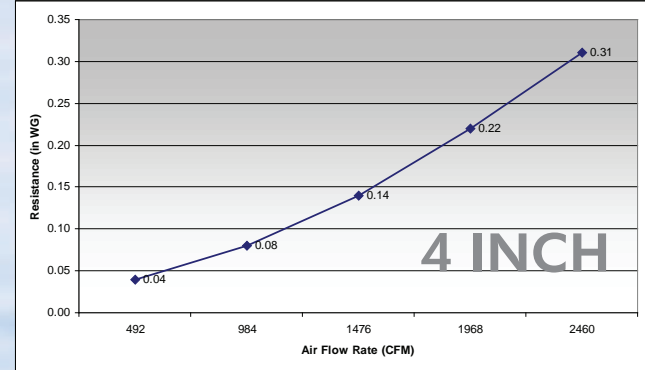
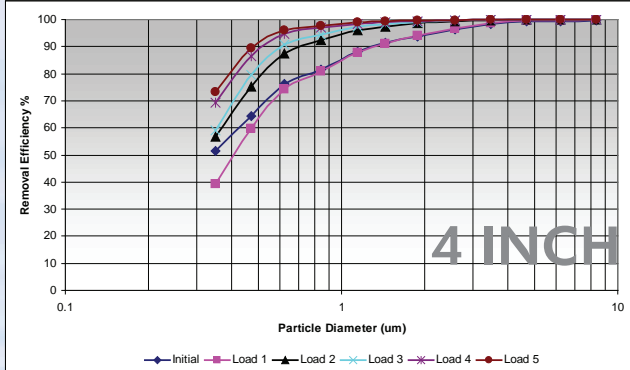
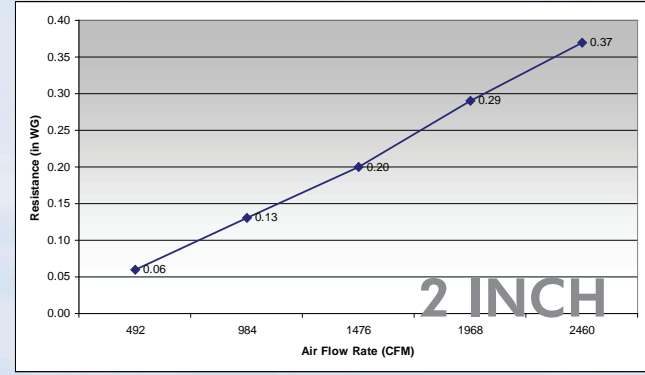
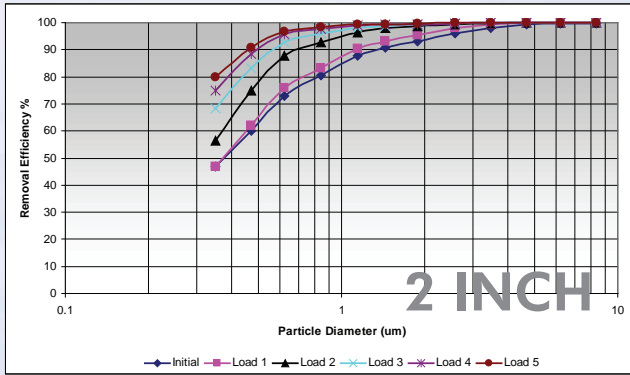


viledon MINI pleated filter meets all requirements of standard air handling systems as to frame dimensions, depth and filter performance. viledon's filtration superiority, known as the **viledon difference**, is highlighted by the following:

- ▶The viledon MINI 85 is specifically designed for applications where maximum filtration efficiency and performance are required in a light weight small package.
- ▶viledon develops and manufactures its own organic synthetic filter media. The large media area of the mini filter provides an exceptionally low pressure drop.
- ▶The 100% synthetic media will not absorb moisture and maintains integrity even in wet conditions. The media is also resistant to most common chemicals.
- ▶The lightweight all-plastic filter is free of metal parts, thus eliminating the risk of corrosion and punctures and is completely incinerable.
- ▶Temperature Resistance: 160°F, peaks 175°F
- ▶**UL 900 Class 1**
- ▶Covered by U.S. patent 646745
- ▶NYC MEA 438:00-M:11 Certification

## Particle Size Efficiency

## Resistance Curve



**ASHRAE 52.2**  
**MINI 85 2" BHT-06-155**  
**MINI 85 4" BHT- 06-143**

\*Ref. Ashrae 2008 Handbook Chpt.28 Sec. 11

Performance	Unit	MINI 85-2"	MINI 85-4"
Rated Air Flow	CFM	1968	1968
Initial Resistance	"w.g.	.29	.22
Final Resistance*	"w.g.	1.5	1.5
MERV@1968	1-16	13	13
ASHRAE 52.1 Equivalent Efficiency*	%	85-90%	85-90%
Media Area	ft <sup>2</sup>	52	83

Performance	Unit	MINI 85
Burst Strength	"w.g.	>4

## MINI 85 Characteristic Chart

Sizes	Unit	24x24	12x24	20x24	20x25	20x20	16x25	16x20
Actual Size (HxW)	in	23-3/8x23-3/8	11-3/8x23-3/8	19-3/8x23-3/8	19-3/8x24-3/8	19-3/8x19-3/8	15-3/8x24-3/8	15-3/8x19-3/8
Depth 2"	in	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
Depth 4	in	3-3/4	3-3/4	3-3/4	3-3/4	3-3/4	3-3/4	3-3/4

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

viledon® is a registered trademark of Freudenberg

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