

Pocket Filter

MERV 14



Corrosion-free molded header ensures a leak proof bonding of pockets to header.



Heat Bonded Aerodynamic Spacers stabilize pocket shape



Leak-Free Welded Pocket



viledon Pocket Filters meet all requirements of standard air handling systems as to frame dimensions, depth and filter performance. viledon's pocket filter superiority, known as the **viledon difference**, is highlighted by the following:

- ▶ Excellent for all types of air handling systems, the filter is constructed to withstand extreme humidity, high velocities and turbulence.
- ▶ viledon develops and manufactures its own organic synthetic filter media.
- ▶ Thermally bonded organic synthetic fibers are non-shedding, microbially neutral, and resistant to most chemicals.
- ▶ The construction combines three layers of progressively structured media with a prefilter layer providing exceptionally low pressure drop and high efficiency levels immediately upon installation.
- ▶ Self-supported pockets remain rigid in the airstream.
- ▶ Aerodynamic tubular spacers channel the air entering the pocket, resulting in lower pressure drop, reduced energy cost, and 100% utilization of the media.
- ▶ Fully encapsulated pockets ensure leak-free performance.
- ▶ Temperature resistance: Continuous 160°F, peaks 200°F
- ▶ UL900 Class 2
- ▶ **This product has been GREENGUARD Indoor Air Quality Certified® by the GREENGUARD Environmental Institute under the GREENGUARD Standard for low emitting and microbial resistant products.**

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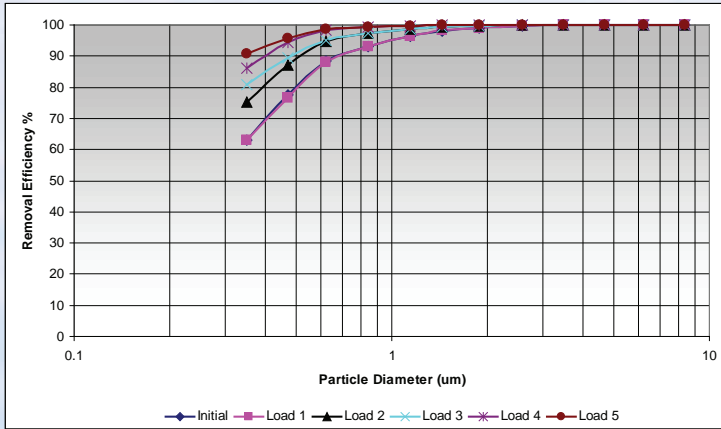
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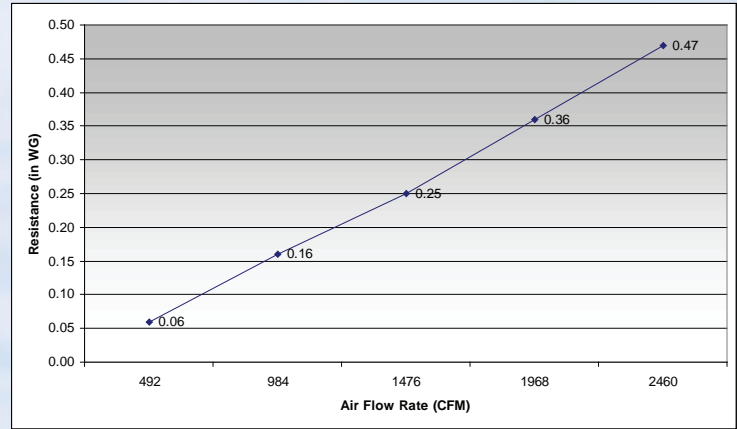
Freudenberg
Filtration Technologies



Particle Removal Efficiency



Resistance Curve



ASHRAE 52.2 BHT 05-546 REV1

Performance	Unit	MF90 1/1
Rated Air Flow	CFM	1968
Initial Resistance	"w.g.	.36
Final Resistance	"w.g.	1.50
MERV@1968	1-16	14
ASHRAE 52.1 Equivalent Efficiency*	%	90-95%

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

Performance	Unit	MF90 1/1
Burst Strength (BHT 05-351)	"w.g.	>12

MF90 Characteristic Chart

Characteristics	unit	1/1 (24x24)	1/2 (12x24)	5/6 (20x24)	1/4 (12x12)	S 1/1 (24x24)
Header Size	in.	23-3/8x23-3/8	11-3/8x23-3/8	19-3/8x23-3/8	11-3/8x11-3/8	23-3/8x23-3/8
Depth	in.	26	26	26	26	20
Weight	lb.	7.0	3.4	5.5	1.5	5.0
Pockets	each	8	4	6	4	8
Media Area	ff	66	33	49.5	17	50.7

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.

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