

**Pocket Filter**

**MERV 9**



**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:

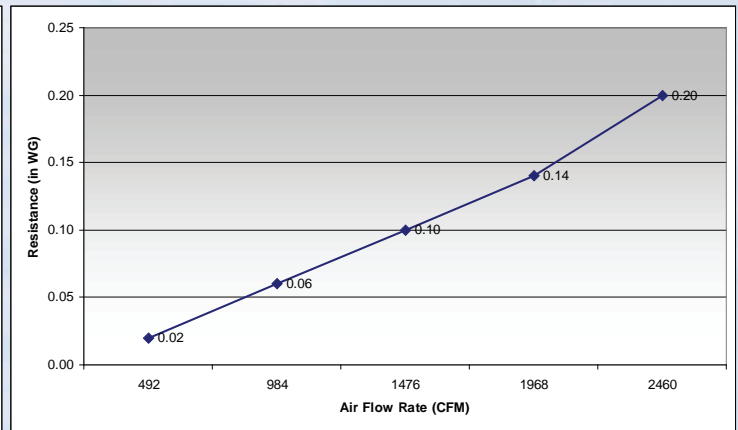
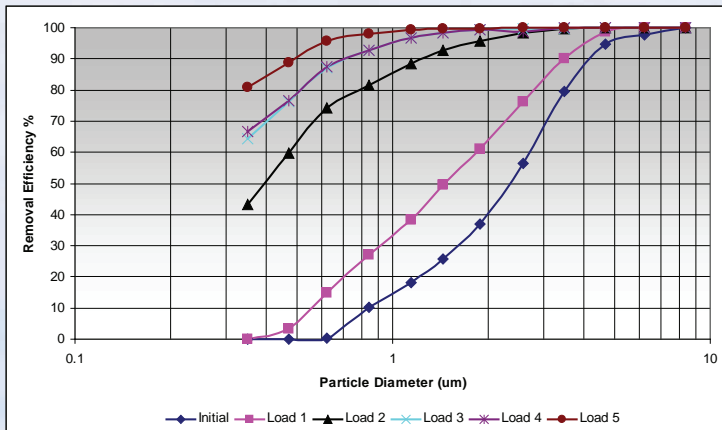
- ▶Excellent for all types of air handling systems, the filter is constructed to withstand extreme humidity, high velocities and turbulence.
- ▶viledon develops and manufactures its own organic synthetic filter media.
- ▶Thermally bonded organic synthetic fibers are non- shedding, microbially neutral, and resistant to most chemicals.
- ▶The media is a fine progressively structured design that provides exceptionally low pressure drops at high efficiency levels.
- ▶Self-supported pockets remain rigid in the airstream at all times.
- ▶Gas Turbine Prefiltration
- ▶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<sup>®</sup> by the GREENGUARD Environmental Institute under the GREENGUARD Standard for low emitting and microbial resistant products.**

# Technical Data- viledon F50 1/1



## Particle Removal Efficiency

## Resistance Curve



### ASHRAE 52.2 BHT- 05-543

Performance	Unit	F50 1/1
Rated Air Flow	CFM	1968
Initial Resistance	"w.g.	.14
Final Resistance	"w.g.	1.50
MERV@1968	1-16	9

### ADDITIONAL DATA

Performance	Unit	F50 1/1
Burst Strength	"w.g.	>25
Dust Holding Capacity	grams	1053

### F50 Characteristic Chart

Available Sizes	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	18
Weight	lb.	4.4	2.5	4.0	1.5	4.0
Pockets	each	5	3	4	4	5
Media Area	ft <sup>2</sup>	42	25.2	33.6	17	32.3

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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