

Pocket Filter Type F45S

The Viledon Pocket Filters meet all requirements of standard air handling systems as to frame dimensions, pocket 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 Viledon filter is constructed to withstand extreme humidity, high velocities and turbulence.
- ▶ Viledon develops and manufactures its own organic synthetic filter media.
- ▶ Thermally bonded fibers are nonshedding and resist moisture and chemicals.
- ▶ The media is a fine, progressively structured design that provides exceptionally low pressure drop at high efficiency levels.
- ▶ Self-supported filter pockets always stay rigid in the air-stream.
- ▶ Temperature Resistance:
Continuous 160°F, Peaks 200°F.
- ▶ UL 900 Class 2
- ▶ Covered by U.S. Patent No. 4056375.
- ▶ Viledon's development team is continually creating new products to serve emerging markets and meet changing specifications.



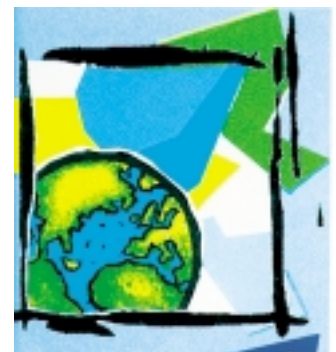
- ▶ Corrosion-free polyurethane header ensures a leak proof bonding of pockets to header.

- ▶ Welded pockets result in a positive leak free design.



viledon[®]

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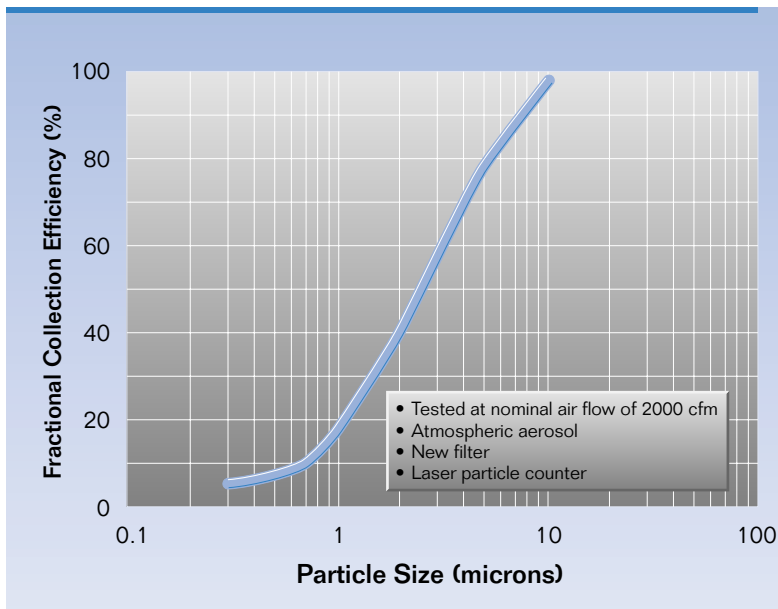
Worldwide at your side

Technical Data - Viledon F45S 1/1

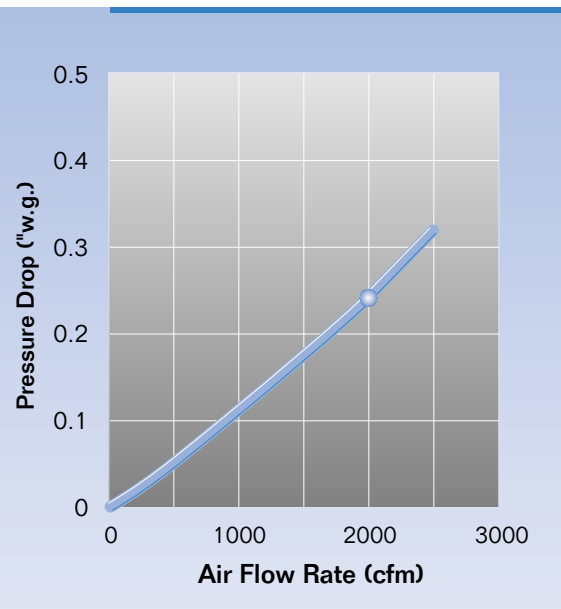
Performance	Unit	Value
Rated Air Flow	cfm	2000
Initial Resistance	"w.g.	0.24
Final Resistance*	"w.g.	1.50
Average Efficiency*	%	40
Dust Holding Capacity*	g	400
Efficiency not affected up to	"w.g.	4.8
Burst Strength	"w.g.	12
Media Area	ft ²	20

*According to ASHRAE Test Standard 52.1-1992

Fractional Collection Efficiency (Viledon F45S 1/1)



Resistance Curve



F45S Size Chart

Sizes	Units	1/1	1/2	5/6
Header Size (h x w)	in	23-3/8 x 23-3/8	23-3/8 x 11-3/8	23-3/8 x 19-38
Depth	in	13	13	13
Weight	lbs	2.25	1.5	2.0
Suitable for standard holding frame	in	24 x 24	24 x 12	24 x 20
No. of pockets		5	3	4



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Freudenberg has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.