

# Extended Surface Filter MVFR

The Viledon MVFR Extended Surface Filter is manufactured to exacting specifications for use in applications where insurance regulations demand a Class 1 fire rating. Viledon's filtration superiority, known as the **Viledon Difference**, is highlighted by the following:

- ▶ The Viledon MVFR is the only **100% synthetic** filter of its kind.
- ▶ Designed specifically for applications requiring a Class 1 fire rating, the sleek new MVFR filters are also constructed to withstand high velocities and turbulence.
- ▶ The filter media of synthetic/organic fibers is progressively structured to provide an exceptionally low pressure drop at high efficiency levels.
- ▶ The nonshedding, thermally bonded fibers provide high mechanical strength and optimum resistance to physical damage from moisture and chemicals.
- ▶ The light weight of the MVFR provides easy handling and low cost for transport, shipping and disposal.
- ▶ The entire filter element is free of metal parts, eliminating the risk of corrosion and punctures, and permitting total incineration.
- ▶ Moisture-resistant up to 100% relative humidity.
- ▶ Temperature Resistance: Continuous 160°F, Peaks 175°F
- ▶ UL 900 Class 1



V-shaped pleats provide maximum media area for optimal performance.



Corrosion-free molded end panels are lightweight and easy to handle



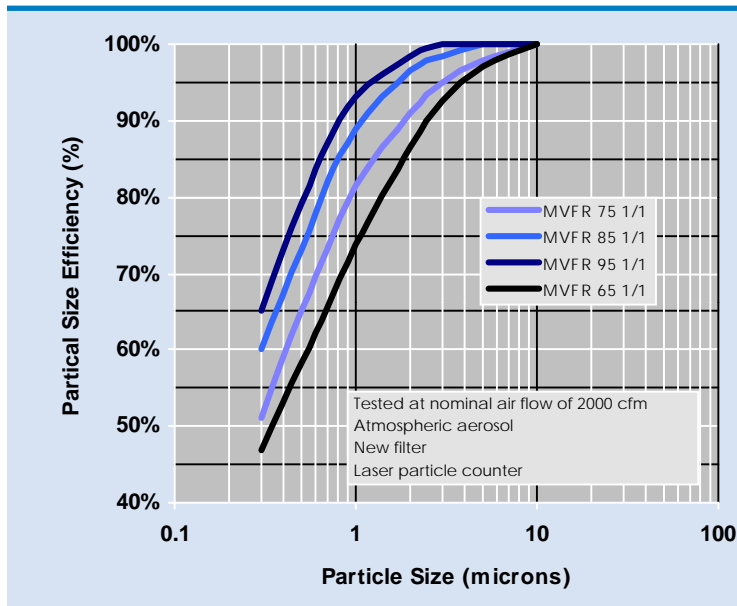
Mini-pleated filter media is nonshedding and resistant to chemicals

# Technical Data - Viledon MVFR Extended Surface Filters

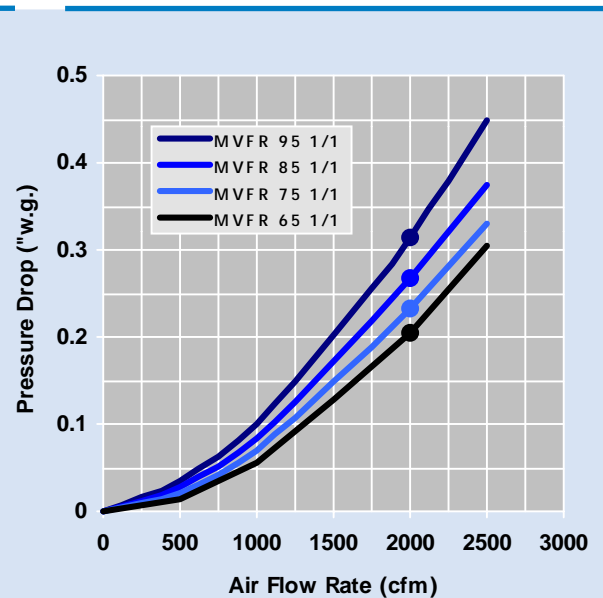
Performance	Unit	MVFR 65	MVFR 75	MVFR 85	MVFR 95
Rated Air Flow	cfm	2000	2000	2000	2000
Initial Resistance	"w.g.	0.25	0.27	0.29	0.33
Final Resistance*	"w.g.	1.5	1.5	1.5	1.5
Average Efficiency*	%	65	75	85	95
Dust Holding Capacity*	g	360	360	320	300
Burst Strength	"w.g.	>12	>12	>12	>12
Media Area	ft <sup>2</sup>	145	145	145	145

\*According to ASHRAE Test Standard 52.1 - 1992

## Particle Size Efficiency



## Resistance Curve



## MVFR Size Chart

Sizes	Unit	1/1	1/2	5/6	5/5
Header Size (h x w)	in	23-3/8 x 23-3/8	23-3/8 x 11-3/8	23-3/8 x 19-3/8	19-3/8 x 19-3/8
Depth	in	11-1/2	11-1/2	11-1/2	11-1/2
Weight	lbs	10.0	5.0	8.3	7
Suitable for standard holding frame	in	24 x 24	24 x 12	24 x 20	20 x 20



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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.

