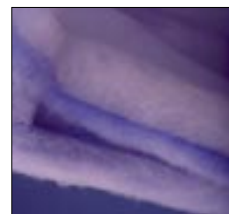


Extended Surface Filter Type R-1/ES3

The Viledon Type R-1/ES3 extended surface filters meet all requirements of standard air handling systems as to frame dimensions, depth and filter performance. Viledon's filter superiority, known as the **Viledon Difference**, is highlighted by the following:

- ▶ Excellent for use as a prefilter in automotive surface finishing and commercial HVAC applications, the R-1/ES3 can also be used as a primary or prefilter in hospitals, pharmaceuticals, and food processing.
- ▶ Two layers of progressively structured synthetic media with a proprietary tackifier are formed into tapered pockets, promoting even dust loading and full media utilization.
- ▶ The internal frame is welded galvanized steel.
- ▶ The light weight of the filter provides comfortable handling and low cost for transport, shipping and disposal.
- ▶ The R-1/ES3 is available in various sizes, including 1/1, 5/5, 5/6, 5/7 and 1/2.
- ▶ The R-1/ES3 filters are moisture-resistant up to 100% relative humidity.
- ▶ Temperature Resistance:
Continuous 212°F, Peaks 250°F
- ▶ UL 900, Class 2



- ▶ Multiple layer media provides superior depth loading characteristics.



- ▶ 9 gauge galvanized steel support frame is sealed between media layers.



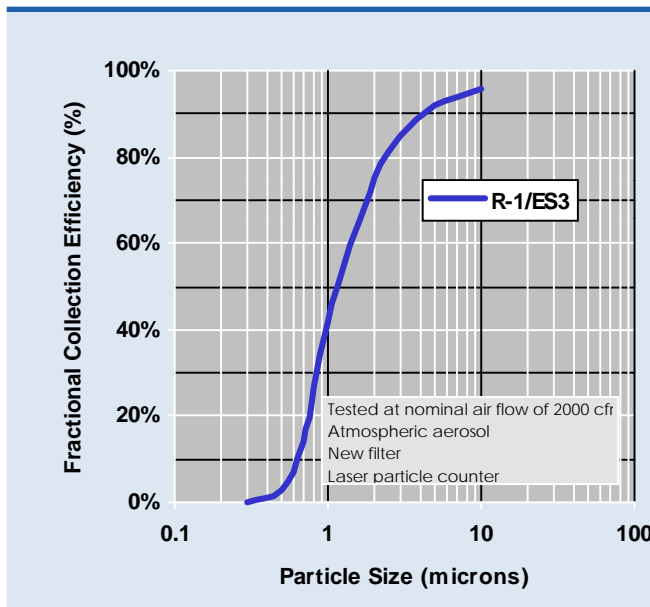
- ▶ Pockets constructed with durable RF weld.

Technical Data - Viledon R-1/ES3 Extended Surface Filters

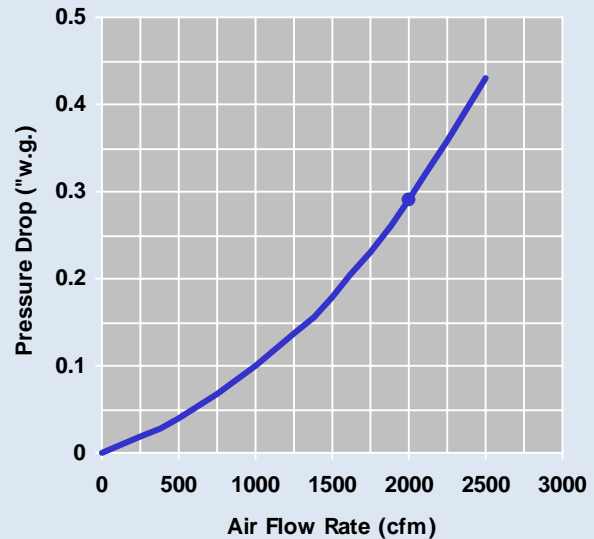
Performance	Unit	R-1/ES3 1/1
Rated Air Flow	cfm	2000
Initial Resistance	"w.g.	0.29
Final Resistance*	"w.g.	1
Average Efficiency*	%	35
Arrestance	%	90
Dust Holding Capacity	g	1000
Media Area	ft ²	20

*According to ASHRAE Test Standard 52.1-1992

Fractional Collection Efficiency



Resistance Curve



R-1/ES3 Size Chart

Sizes	Unit	1/1	1/2	5/5	5/6	5/7
Header Size (h x w)	in	23-3/8 x 23-3/8	23-3/8 x 11-3/8	19-3/8 x 19-3/8	19-3/8 x 23-3/8	19-3/8 x 25-3/8
Depth	in	15	15	15	15	15
Weight	lbs					
Number of Pockets	in	3	1	2	2	2
Suitable for						
Standard Holding Frame	in	24 x 24	12 x 24	20 x 20	20 x 24	20 x 25



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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.