

Extended Surface Filter

MERV 8



Multiple-layer media provides superior particle depth loading and dust holding capacity



9-gauge galvanized perimeter steel frame insures tight seal against filter holding frame to eliminate air bypass



Pockets are welded for enhanced strength and durability



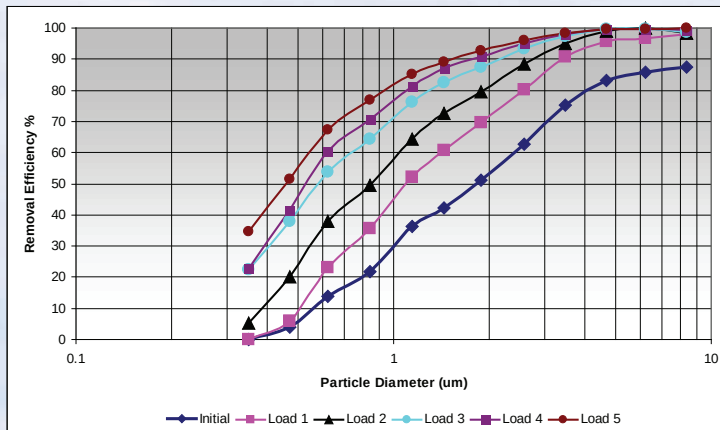
viledon Type R-1/ES3 pocket filter meets all requirements of standard air handling systems as to frame dimensions, depth and filter performance. viledon's filter superiority, known as the **viledon difference**, is highlighted by the following:

- ▶ 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 light weight of the filter provides comfortable handling and low cost for transport, shipping and disposal.
- ▶ The R-1/ES3 filters are moisture-resistant up to 100% relative humidity.
- ▶ Temperature resistance: Continuous up to 212°F, peaks 250°F
- ▶ UL 900 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.**

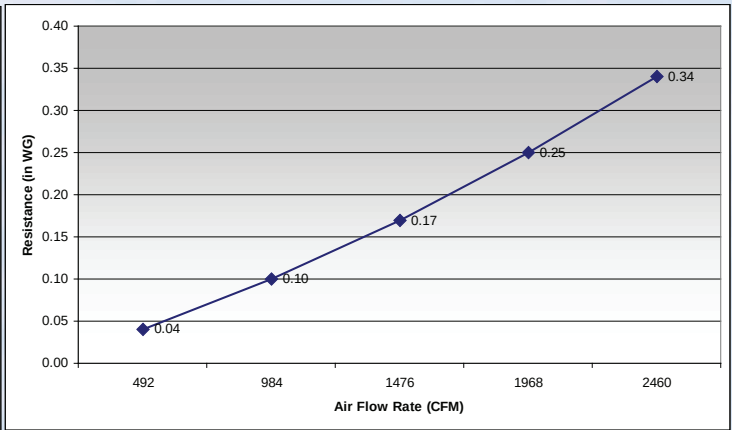
Technical Data- viledon R-1/ES3



Particle Removal Efficiency



Resistance Curve



ASHRAE 52.2 BHT-06-369

Performance	Unit	R-1/ES3
Rated Air Flow	CFM	1968
Initial Resistance	"w.g.	.25
Final Resistance	"w.g.	1.5
MERV@1968	1-16	8
ASHRAE 52.1 Equivalent Efficiency*	%	30-35%

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

ADDITIONAL DATA

Performance	Unit	R-1/ES3
Burst Strength	"w.g.	>4

R-1/ES3 Characteristic Chart

Characteristics	unit	1/1 (24x24)	1/2 (12x24)	5/5 (20x20)	5/6 (20x24)	5/7 (20x26)
Header Size	in.	23-3/8x23-3/8	11-3/8x23-3/8	19-3/8x19-3/8	19-3/8x23-3/8	19-3/8x25-3/8
Depth	in.	15	15	15	15	15
Pockets	each	3	1	2	2	2
Media Area	ft ²	20	10	13.9	16.7	18

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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