

Panel Filter

viledon migration test (S1)



Multiple layer media provides superior depth loading characteristics.



10-gauge steel support frame is sealed between media layers.



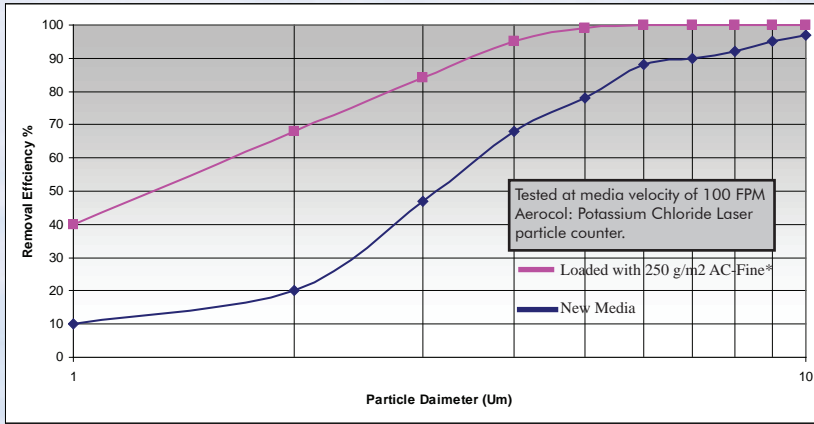
Durable RF weld



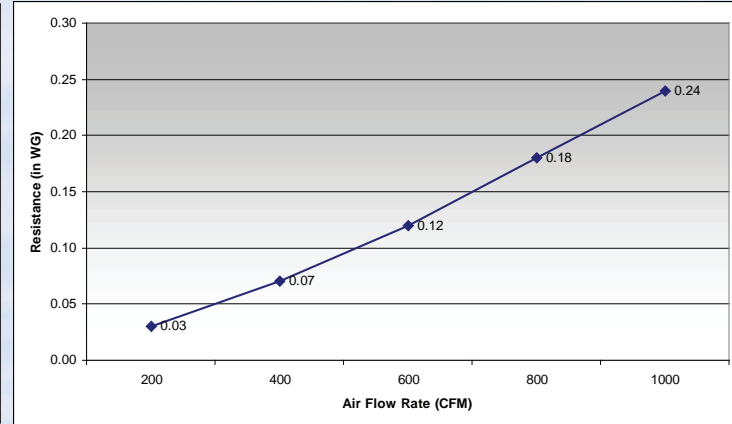
R-1 panels and links are designed by viledon for air make-up of paint spray booths or prefiltration for high efficiency final filters. The multiple synthetic layers combine a prefilter consisting of a high performance cover mat with a final filter of progressively structured media, thermally bonded and treated with a proprietary tackifier. viledon's filtration superiority, known as the **viledon difference**, is highlighted by the following:

- ▶ R-1 panels and links self-supporting panels are designed for 95% efficiency on 10 micron particles and larger.
- ▶ R-1 is also available with a scrim option on the air leaving side, enhancing mechanical integrity.
- ▶ R-1 panels and links offer superior filtration of supply air to paint spray booths where controlled laminar flow is a requirement.
- ▶ UL 900 Class 2.
- ▶ R-1 panels and links have a proprietary tackifier completely encapsulating all fibers eliminating particle migration due to mechanical vibrations associated with paint spray booths.
- ▶ Temperature resistance: Continuous: 212°F, peaks at 250°F.
- ▶ The R-1 series is environmentally friendly and designed to comply with most landfill regulations.
- ▶ viledon's development team is continually creating new products to serve emerging markets and meet changing specifications.

Particle Removal Efficiency



Resistance Curve



| Performance | Unit | R-1 |
|---|------------------|-----|
| Media Velocity | FPM | 100 |
| Initial Resistance (100 FPM) | "w.g. | .07 |
| Average Efficiency on Particles > 10 micron | % | 95 |
| Thickness | in" | .71 |
| Weight | g/m ² | 350 |

R-1 Characteristic Chart

| Available Sizes | unit | Sizes |
|---------------------|------|--|
| R1 Panels and Links | ea. | All Standard Sizes, Special sizes available upon request |

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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