

Panel Filter Type R-1

R-1 panels are designed by Viledon for air make-up of paint spray booths. 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 special adhesive tackifier. The combination provides the following characteristics:

- ▶ R-1 self-supporting panels are designed for 95% efficiency on 10 micron particles and larger.
- ▶ R-1 panels and links offer superior filtration of supply air to paint spray booths where controlled laminar flow is a requirement.
- ▶ R-1 has a tackifier throughout the entire media, applied using a proprietary process, achieving maximum protection against the migration of paint damaging particles.
- ▶ The R-1 series is environmentally friendly, designed to comply with most landfill regulations.
- ▶ R-1 is also available with a scrim option on the air leaving side, enhancing mechanical integrity.
- ▶ UL 900 Class 2
- ▶ Temperature Resistance: Continuous 212°F, Peaks 250°F
- ▶ **Viledon's** development team is continually creating new products to serve emerging markets and meet changing specifications.



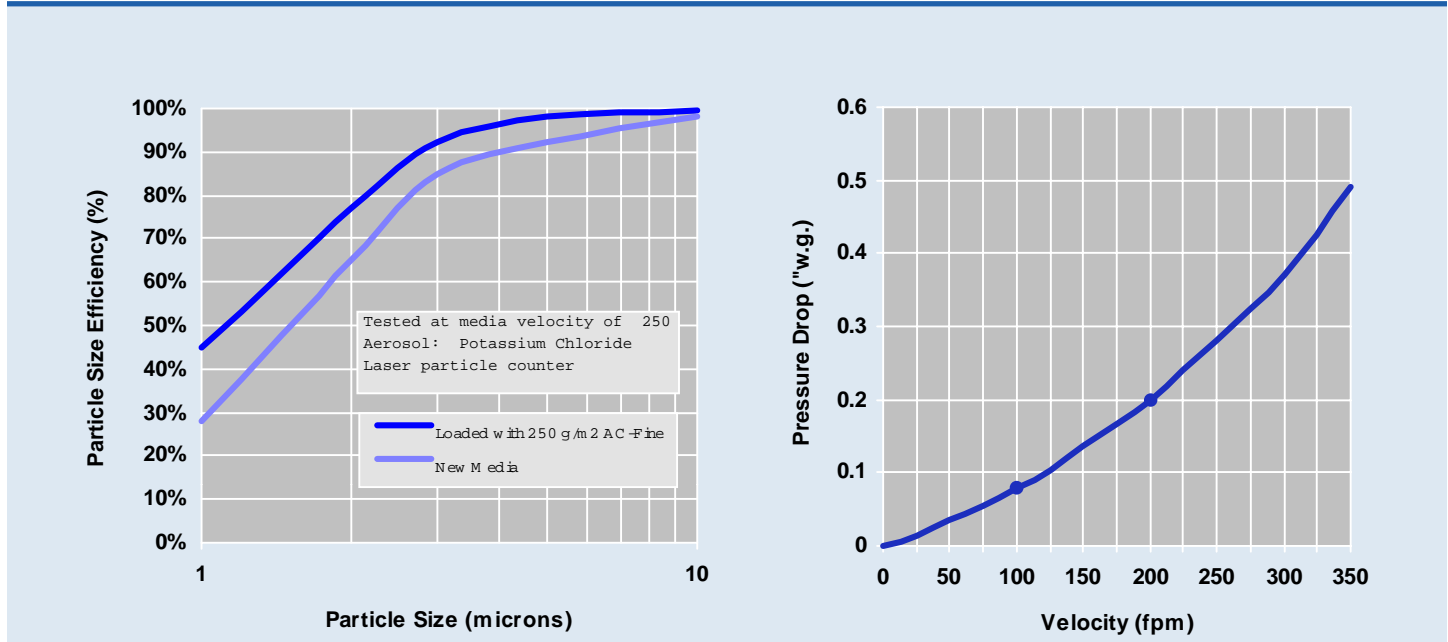
- ▶ Multiple layer media provides superior depth loading characteristics.
- ▶ 10 gauge steel support frame is sealed between media layers.
- ▶ R-1 Panels are constructed with durable RF weld.



Technical Data - Viledon's R-1 Panel Filter

Performance	Unit	R-1 Filter Panel
Media Velocity	fpm	100
Initial Resistance	"w.g.	0.08
Efficiency on Particles >10 microns	%	95
Thickness	in	1.2
Weight	g/m ²	435

Particle Size Efficiency



* Air Cleaner Fine is a standardized test dust with a high migrating tendency and an average particle size in the 5-10 micron range

R-1

Option	Unit	Sizes
R-1 Panels & Links	ea	All Standard Sizes, Special sizes available upon request



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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.