

DIFFUSION MEDIA FF-500 G (F5)



- ◆ **Final Filtration Barrier** to paint damaging particles from the air intake stream
- ◆ **Self Extinguishing** according **DIN 53438 F1**
- ◆ **100% Adhesive Saturation for Maximum Protection**
- ◆ **Quality Assurance** according EN 779:2002

DESCRIPTION

Fine air filtration media specifically designed to be used in down-draft paint spray booths as final filtration barrier to all paint damaging particles from the intake air stream. This Ceiling Filter or Diffusion Media ensures a uniform air distribution and a laminar air flow throughout the spray booth, when applied in paint spray and surface treatment facilities.

Synthetic fiber-based filter media developed and manufactured at Filtrair's high-tech media plant based in The Netherlands.

This filter media is constructed from selected high performance, non-breakable fibers in a progressive density multi-layering technique allowing high depth loading to ensure high dust holding capacity with optimal lowest pressure drop performance.

This media is thermally bonded and impregnated in full depth with a special tackifier coating to prevent any release of fibers and migration of paint damaging particles larger than 10 microns due to vibration in the system, even under varying temperature conditions.

The result is satisfactory fractional efficiency combined with a high dust loading capacity, a long filter life as well as low energy and maintenance costs. In addition, this Diffusion Media has a particularly interesting cost-performance ratio for a very competitive advantage in the automotive repair after markets and all kinds of surface treatment facilities in other markets.

FLAMMABILITY RATINGS

Filtrair FF-500 G conforms to European Union fire classification standards (DIN 53438-F1) and is self-extinguishing. It is resistant to evaporated solvents and is manufactured in a 100% silicone-free environment.

QUALITY ASSURANCE

Constant quality is assured by quality control testing according to EN-779:2002. The F5 filter class is imprinted on the media.

FEATURES AND BENEFITS

FULL PENETRATION OF SPECIAL ADHESIVE prevents any release of fibers and migration of particles larger than 10 microns.

GRADIENT DENSITY STRUCTURE ensures a uniform air distribution and a laminar flow throughout the spray booth.

APPLICATIONS

This quality and most economical Filtrair Diffusion Media is specially designed to be used in the ceiling of paint spray and surface treatment facilities in the automotive repair industries and many other industries. The media enhances a uniform air distribution and a laminar air flow. Further, it acts as the final filtration barrier to paint damaging particles to ensure quality surface finishes. With its optimal cost-performance ratio this versatile Diffusion Media offers a unique competitive advantage in all applications and markets!

DIFFUSION MEDIA FF-500 G

PERFORMANCE DATA

Product	FF-500 G
Rated Air Flow	900 m ³ /h·m ²
Rated Air Flow Velocity	0,25 m/sec
Initial Resistance	22 Pa
Final Resistance	450 Pa
Initial Efficiency	20%
Average Efficiency @ 0,4 µm*	41%
Average Arrestance	95%
Dust Holding Capacity	380 g/m ²
Filter Class according EN 779:2002	F5

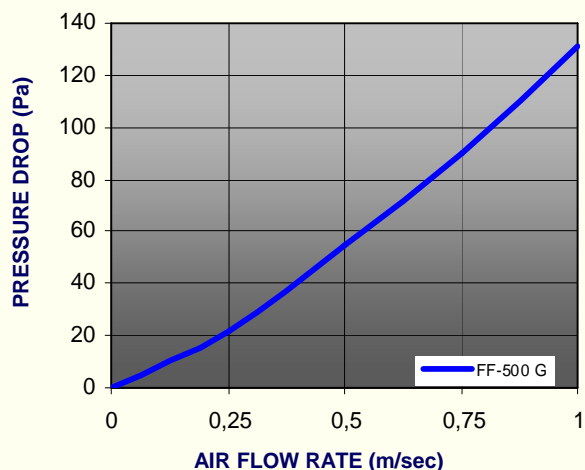
* test aerosol DEHS according EN 779:2002

APPLICATION PARAMETERS

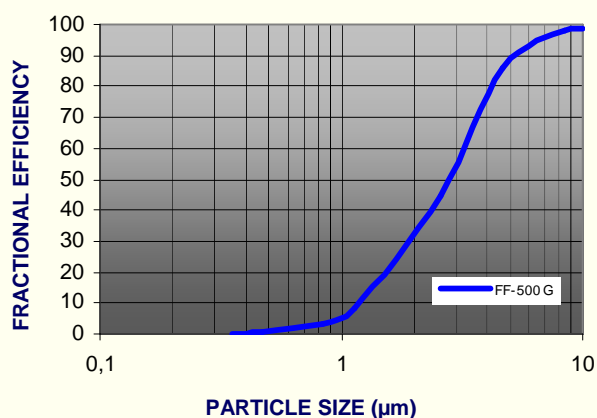
Product	FF-500 G
Temperature Resistance	Up to 100° C
Temperature Resistance Short Peaks	Up to 120° C
Nominal Thickness	20 mm +/- 2
Relative Humidity	100 %
Standard Roll Sizes	2m x 20m 1m x 20m
Regenerative / Washable	no

FF-500 G

PRESSURE DROP vs. AIR FLOW RATE



FRACTIONAL PARTICLE SIZE EFFICIENCY



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