



● FICHA TÉCNICA  
Data Sheet

**SAC**  
**FILTER**

Soluciones en Filtración Avanzada.



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# ▶ Filtro Plenum / Carpeta

DIFFUSION MEDIA FF-560 GX (F5)



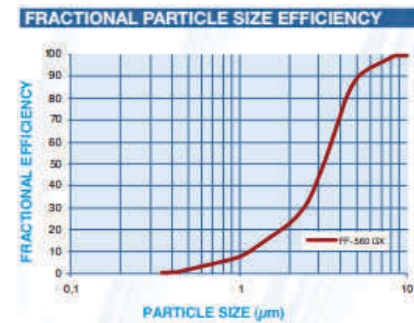
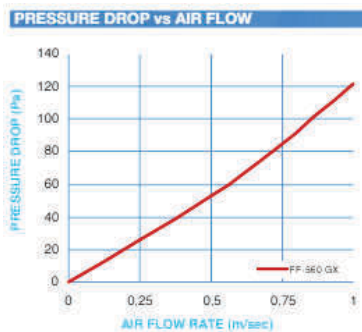
PRODUCTO	FF-560 GX
FLUJO DE AIRE NOMINAL	900 M <sup>3</sup> /HM <sup>2</sup>
VELOCIDAD DE FLUJO DE AIRE NOMINAL	0.25 M/SEG
RESISTENCIA INICIAL	26 PA
RESISTENCIA FINAL	450 PA
EFICIENCIA PROMEDIO @ 0.4 MM <sup>2</sup>	46%
ARRESTANCIA PROMEDIO	96%
CAPACIDAD DE RETENCIÓN DE POLVO	430 G/M <sup>2</sup>
CLASE DE FILTRO SEGÚN EN 779:2002	F5

## APLICACIONES

DISEÑADO PARA SER UTILIZADO EN TECHO DE CABINAS PINTURA

## VENTAJAS

Mejora una distribución uniforme del aire y un flujo de aire laminar. Además, actúa como la barrera final de filtración para partículas dañinas para la pintura en la corriente de aire, lo cual es un requisito absoluto para acabados de alto brillo y de alto rendimiento tecnológico.



APPLICATION PARAMETERS	
Product	FF-560 GX
Temperature Resistance	Up to 100°C
Temperature Resistance Short Peaks	Up to 180°C
Nominal Thickness	22 mm
Relative Humidity	100 %
Standard Roll Sizes	2 m x 20 m 1 m x 20 m
Regenerative / Washable	no



## DIFFUSION MEDIA FF-560 GX (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**
- **R0 Rating on Particle Migration**
- **High Temperature Resistant Scrim** up to 180°C
- **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 flow throughout the spray booth, when applied in auto assembly plants and auto refinishing facilities as well as in the repair after markets.

Synthetic fiber-based filter media developed and manufactured at Filtrair's high-tech media plant based in The Netherlands. The filter media is constructed from selected high performance, nonbreakable 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.

FF-560 GX is classified as R0 in accordance with the Filtrair migration test (see back page).

This results in high fractional efficiency combined with a high dust loading capacity, a long filter life as well as low energy and maintenance costs.

### HIGH TEMPERATURE SCRIM

The clean air side is particularly dense and smoothened. It is reinforced with a high temperature resistant and supporting woven open-mesh scrim. The temperature resistance of this special scrim is up to 180°C to prevent any discoloring.

### FLAMMABILITY RATINGS

FF-560 GX conforms to European Union standards (e.g. DIN53438-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 and the Filtrair Logo with Brand Name are imprinted on the media.

### FEATURES AND BENEFITS

- **USED BY MAJOR AUTOMOTIVE MANUFACTURERS** so it can be used with complete confidence.
- **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 laminar flow throughout the spray booth.

### APPLICATIONS

This high quality Filtrair Ceiling or Diffusion Media is specially designed to be used in the ceiling of paint spray facilities in auto assembly plants and down draft spray cabins in auto refinishing facilities as well as in paint spray booths of the repair after markets.

This media enhances a uniform air distribution and a laminar airflow. Further, it acts as the final filtration barrier to paint damaging particles from the air stream which is an absolute requirement for high gloss and high-tech performance finishes.



# DIFFUSION MEDIA FF-560 GX

## PERFORMANCE DATA

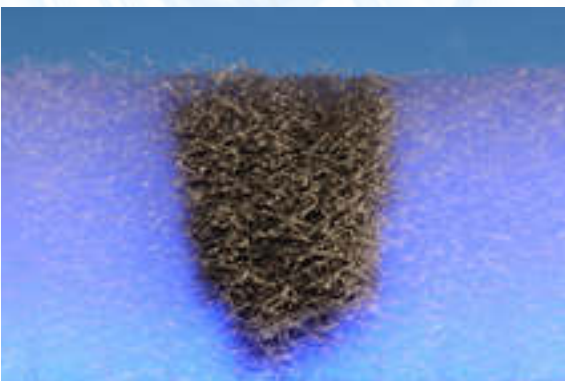
<b>Product</b>	<b>FF-560 GX</b>
Rated Air Flow	900 m <sup>3</sup> /h.m <sup>2</sup>
Rated Air Flow Velocity	0,25 m/sec
Initial Resistance	26 Pa
Final Resistance	450 Pa
Average Efficiency @ 0,4 µm*	46%
Average Arrestance	96%
Dust Holding Capacity	430 g/m <sup>2</sup>
<b>Filter Class acc. EN 779:2002</b>	<b>F5</b>

\* test aerosol DEHS according EN 779:2002

## APPLICATION PARAMETERS

<b>Product</b>	<b>FF-560 GX</b>
Temperature Resistance	Up to 100°C
Temperature Resistance Short Peaks	Up to 180°C
Nominal Thickness	22 mm
Relative Humidity	100 %
Standard Roll Sizes	2 m x 20 m 1 m x 20 m
Regenerative / Washable	no

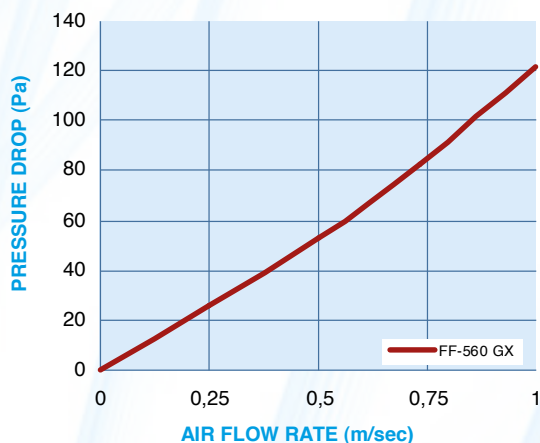
## Filtrair Migration Test



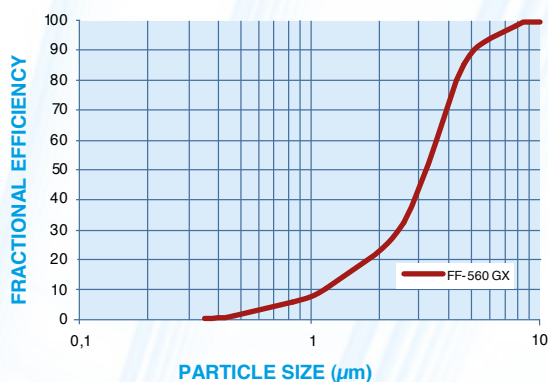
Filtrair Migration Test Classes	No. of particles(*)
R0	< 100
R1	< 1.000
R2	< 10.000
R3	< 100.000

(\*) Number of particles larger than 10 microns per cubic meter counted on the clean air side

## PRESSURE DROP vs AIR FLOW



## FRACTIONAL PARTICLE SIZE EFFICIENCY



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