

## FA 600G-5

# Downdraft diffusion filter media



### Media application

FirstAir diffusion ceiling media are designed for the final filtration of supply air to downdraft paint spray booths and to arrest all paint damaging particles larger than 5 microns in size.

While eliminating those particles from the air stream, these blanket media create a very uniform and downward air distribution throughout the spray cabin chamber, preventing air turbulences that could carry particles to the painted car body.

FirstAir downdraft ceiling media are expertly suited for use in auto re-finishing or for spray plants of OEM auto assemblers.

### Media description

FirstAir synthetic fiber based diffusion media are constructed from a careful designed mix of polyester unbreakable fine fibers structured into a progressive density air filter mat. This results in high depth loading and low initial pressure drop, yet long life performance.

All fibers are individually coated with a special adhesive throughout the depth of the mat in a saturated bonding process to ensure that no fibres or paint damaging particles can be separated from the mat through high velocity air streams or vibration in the system.

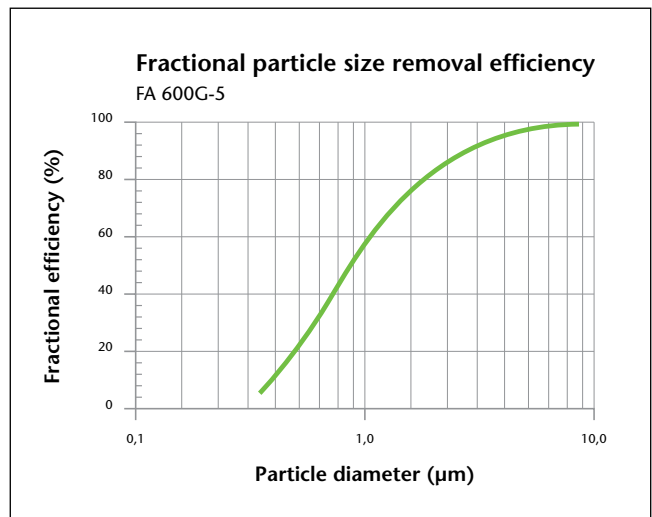
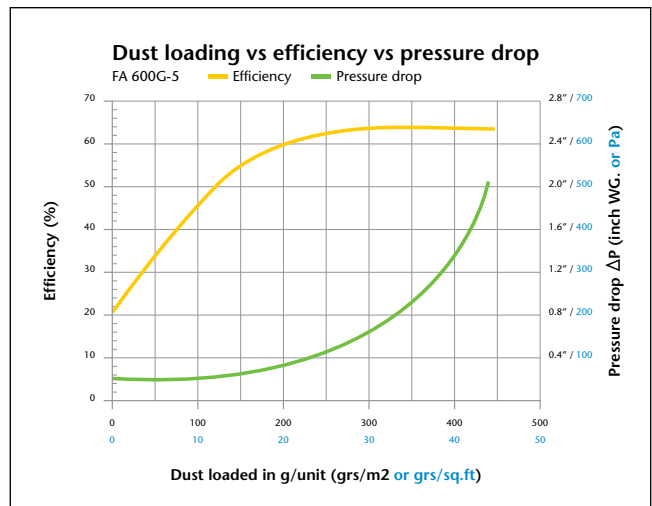
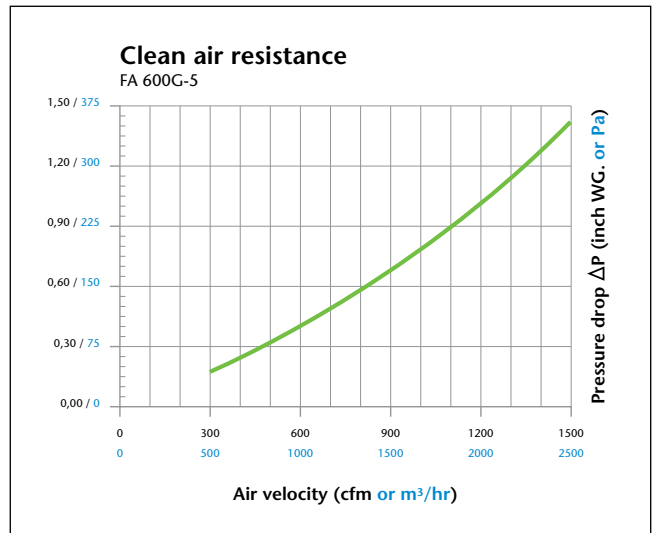
On the clean air (exit) side the media are particularly dense and re-inforced with a woven filament scrim to add strength and support and imprinted with logo and filtration class.

The media and its adhesive quality have over a minimal 5-year guaranteed shelf life, do not allow paint damaging particles to migrate, have 100% coating of all fibres, a thickness of nominal one inch or 20 mm. and are self-extinguishing.

FirstAir media conforms to international standards in the U.S.A. and the E.U., are resistant to moisture and solvents, and are silicone free.

## Technical data

Reference product	FA 600G-5	FA 600G-5
Average arrestance	99,0 %	99.0 %
Initial efficiency	21,0 %	21.0 %
Average efficiency	53,0 %	53.0 %
Efficiency on 5 micron particles	99,3 %	99.3 %
Test air flow	0,25 m/s	100 ft / min
Rated air flow	900 m <sup>3</sup> /h/min	2500 cfm
Initial pressure drop	50 Pa	0.23" wg
Final pressure drop	450 Pa	1.8" wg
Dust holding at tested final ΔP	450 grs/m <sup>2</sup>	41 grs/sq.ft
Dust migration class	R0	R0
Filtration class	F 5/EU 5	MERV 8
Temperature resistance constant up to	100 °C	212 °F
Short peaks up to	120 °C	250 °F
Nominal thickness	20 mm	1"
Relative humidity	up to 100%	up to 100%
Roll size standard	2 x 20 m	80" x 66 ft
Washable	no	no



## Ecological aspects



- Contributes to dust-free operation
- No coloring or bleaching agents used
- No metal components of any kind
- Silicone free
- 100% incinerable