



GLOBAL  
FINISHING  
SOLUTIONS

# HIGH-TEMPERATURE PLENUM FILTERS

EXCLUSIVE TO GFS AUTO REFINISH PAINT BOOTHS



The premium intake filter featured in the ceiling intake plenum in automotive paint booths from Global Finishing Solutions® (GFS), FMI filters are high-temperature diffusion roll media designed to withstand temperatures up to 220 degrees Fahrenheit often associated with cure cycles. The polyester fiber is bonded with a polyvinyl chloride binder for fire retardancy.

## PRIMARY USES

When used in a paint booth with downdraft or semi-downdraft airflow, the FMI filter diffuses the air, creating an even flow throughout the booth. FMI filters are recommended for booths with elevated temperatures.

## CODE COMPLIANCE

FMI filters meet NFPA 33, OSHA and UL 900 standards.

## SPECIFICATIONS

Nominal Thickness	1 inch
Weight	17.4 oz/yd <sup>2</sup> 590 gr/m <sup>2</sup>
Color	White
Fiber	100 percent staple polyester fiber with polyester netting

## MOST POPULAR SIZES

GFS PART NO.	SIZE	QTY/PACKAGE
FMI21036	21" x 36"	2
FMI21069	21" x 69"	2
FMI21072	21" x 72"	1
FMI21105	21" x 105"	2
FMI21141	21" x 141"	2
FMI21144	21" x 144"	2
FMI51097	51" x 97"	1
FMI51108	51" x 108"	1
FMI51121	51" x 121"	2
FMI61120	61" x 120"	2
FMI61149	61" x 149"	2
FMI64108	64" x 108"	2
FMI64120	64" x 120"	2
FMI64144	64" x 144"	2
FMI64149	64" x 149"	2
FMI81036	81" x 36"	2
FMI81072	81" x 72"	1
FMI81108	81" x 108"	1
FMI81144	81" x 144"	1

## CLEANER PAINTING ENVIRONMENT

Particles as small as 10 microns (0.0004 inches) can cause defects in your paint job. With a MERV 10 rating, the FMI filter removes 99 percent of all particles 10 microns or larger, providing a contaminant-free environment for high-quality paint finishes.

## SIZED TO MEET YOUR NEEDS

Available in rolls with multiple size options, including master rolls to accommodate booths of all sizes and designs. Standard offering sizes range from 21 inches wide to 246 inches long. Custom sizes are available by the square foot to meet your needs.



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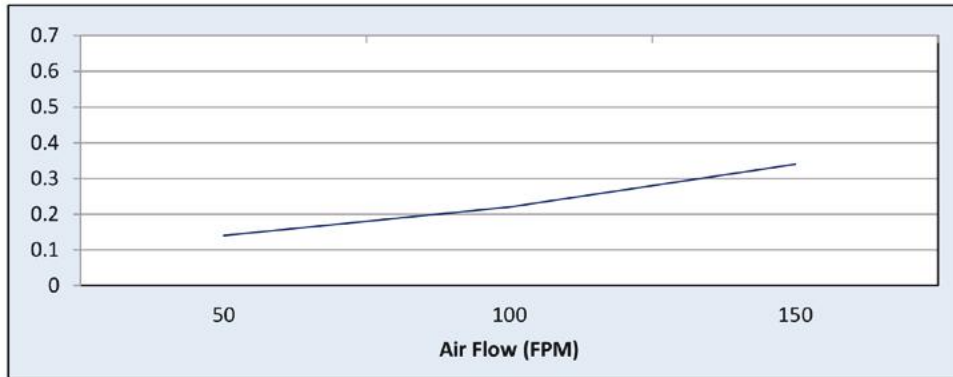
## ASHRAE STANDARD 52.2(M) TEST REPORT

Test Date: 01/29/13

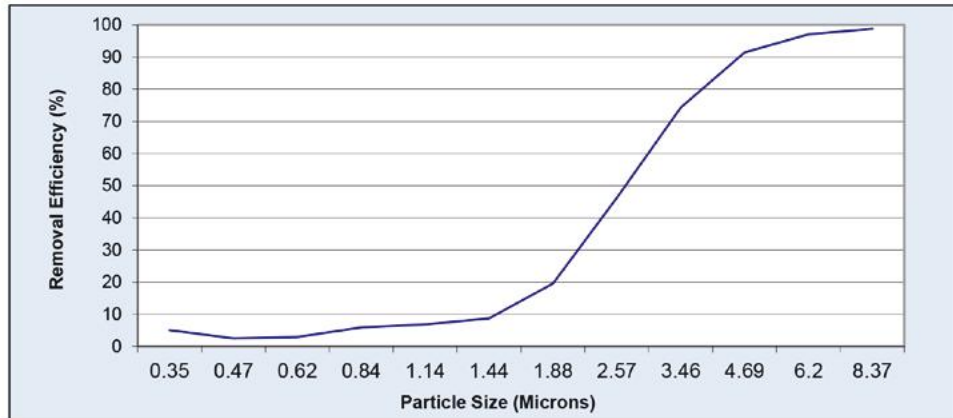
Test # 153

Fiberbond Research & Development Laboratory

RESISTANCE VS. AIR FLOW  
CLEAN DEVICE



INITIAL PARTICLE REMOVAL EFFICIENCY



Test Results	
Airflow Rate (FPM):	100
Initial Resistance:	0.22" w.g.
Initial Efficiency (0.3 - 1.0 microns):	4%
Initial Efficiency (1.0 - 3.0 microns):	20%
Initial Efficiency (3.0 - 10.0 microns):	90%
<b>Minimum Efficiency Reporting Value (MERV): 9</b>	
<i>If Initial Data is Minimum</i>	

Particle Size Range (microns)	Mean Particle Size	Initial Removal Efficiency (%)
.30 - 0.40	0.35	5.1
.40 - 0.55	0.47	2.5
.55 - .70	0.62	2.9
.70 - 1.0	0.84	5.9
1.0 - 1.3	1.14	6.9
1.3 - 1.6	1.44	8.7
1.6 - 2.2	1.88	19.6
2.2 - 3.0	2.57	46.3
3.0 - 4.0	3.46	74.3
4.0 - 5.5	4.69	91.5
5.5 - 7.0	6.2	97.1
7.0 - 10.0	8.37	98.8

Complete test report available upon request