

# Engineered Filtration

Systems

## LM 6000 COMPOSITE FILTER

### Description

Designed specifically for use in GE LM gas turbine inlet air systems.

EFS Composite filters provide high efficiency filtration at an exceptionally low pressure drop.

These filter cartridges provide an optimized ratio between filtering area, fold depth and number of folds.

The filter media is sufficiently rigid to prevent the folds from collapsing even at high pressure drops.

Special LM GT media blend satisfies the mechanical, thermal and chemical requirements for the most sophisticated turbine inlet systems.

Consisting of both an inner and outer filter element, the EFS Composite filter is both highly effective and economical.

#### 80/20 Blend Filter Media

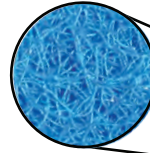
Low energy, heavy duty air medium with polyester enhanced dimensional stability and structural integrity. Media is resistant to moisture and humidity.

<b>Frazier Permeability (CFM/sp. Ft. @ 0.5" w.g.)</b>	14	0.3-0.4	97.35%
<b>Test Flow Rate</b>	460 CFM	.04-.05	98.07%
<b>Initial Resistance</b>	0.42" w.g.	.05-.06	98.63%
<b>Final Resistance</b>	4.0" w.g.	.06-.08	98.83%
<b>Test Dust</b>	SAE Fine	.08-1.0	99.17%
<b>Test Dust Feed Rate</b>	2.0 g//1000 cu. Ft.	1.0-1.5	99.15%
<b>Dry Mullen Burst</b>	40 psi	1.5-2.0	99.15%
<b>Equivalent BIA Rating</b>	U, S, G, & C	2.0-3.0	99.17%

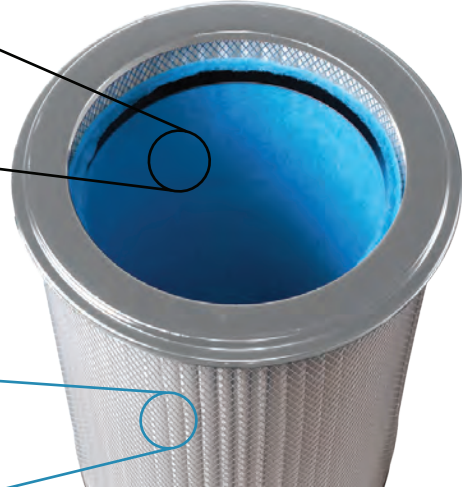
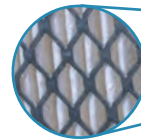
PART NO.	SIZE
F-WPA-LM6000	18 3/4" (476 mm) x 14" (356 mm) X 26" (660 mm)

PARAMETERS	TYPICAL VALUES	METRIC EQUIVALENT
Basis Weight (pounds per 3,000 sq. ft.)	80	130 g/m <sup>2</sup>
Caliper (overall, in inches)	.023	.74 mm
Corrugation Depth (in inches)	.016	.41 mm
Frazier Permeability (CFM/sq. ft. @ 0.5" w.g.)	14	112 (L/sec./m <sup>2</sup> @)P20
First Bubble Point (inches w.g.)	7.29 (l)	185 mm
First Bubble Point (microns)	52	52
Mullen Burst psi as is Dry	40	275.2 kPa
Mullen Burst psi as is Wet	30	206.4 kPa
Resin Content (%)	22	22
Volatiles (%)	5.1	5.1

Specially Designed Inner Filter Liner



Zinc Coated Metal



### Features

Zinc coated expanded metal provides strength and protection against rust and corrosion.

Specially designed inner filter liner efficiently filters out large dust particles while keeping pressure drop low.

Inner & Outer filter element.



LM6000

For your nearest dealer call:  
1.800.796.4EFS (4337)  
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LM6000 COMPOSITE FILTER