

**GLOBAL FILTRATION CLEAN
TECHNOLOGY (I) PVT. LTD.**



GLOBAL FAN FILTER MODULE (FFM)

Self-Contained Fan/Filter Module



ISO CERTIFIED COMPANY

Clean Air Is Our Business



- Self-contained fan/filter module.
- Low off-gassing components.
- Speed control.
- Low energy consumption reduces operating costs.
- High total static pressure at full air flow.
- Low noise level.

The Global FFM is a heavy-duty, self contained fan filter module designed to achieve class 10,000 to 100 down flow air supply where use of conventional ducted modules is impractical or where the air supply has insufficient static pressure to move air through a HEPA filter.

The FFM module can be used to upgrade existing cleanrooms or to convert an existing space to a cleanroom environment without additional ductwork or air handling equipment. It is also ideal for use in a mini-environment laminar flow workstation.

The FFM module can be suspended independently on rigid hangers when interfaced with a suspended ceiling system, to provide laminar clean air for process equipment, critical areas, or work zones.

It is suitable for semiconductor, electronics, flat panel and disk drive manufacturing, optical and biological industries and other applications where airborne contaminants must be carefully controlled.

Self-Contained Fan/Filter Module

The FFM module is comprised of an aluminium housing with a high performance, encapsulated, direct driven backward curved centrifugal fan/motor combination, and a replaceable Global Gloce[®] FFM HEPA (99.99% efficiency on 0.3 μm) or optional ULPA (99.9995% on 0.12 μm) filter. Each filter is factory scanned to ensure leak-free operation and guaranteed performance. Optional inlet collar is available.

The sturdy housing construction eliminates bypass leakage and resists damage during shipping and handling. Powder coated steel or stainless steel housings are optional.



Low Off-Gassing Components

All components are low off-gassing to meet stringent requirements of specific industries.

Speed Control

A solid-state speed controller is mounted on top of the unit as standard for single phase motor.

Low Energy Consumption Reduces Operating Costs

The FFM comes with a single-phase or optional. 3-Phase high efficiency, low maintenance, long life AC motor. Optional AC motor with Variable Voltage (VV) Control and Electrical Commutated (EC) motor are available. The EC motor technology helps to reduce power consumption and cooling load of the fan module, thus reducing total operating costs.

High Total Static Pressure At Full Airflow

The low-pressure drop of the GloceI FFM filter, in combination with the high total static pressure of the fan, provides an external static pressure of 50 to 100 Pa at full rated airflow. It allows for additional attachment of an optional pre-filter.

Low Noise Level

The FFM module has a low noise level of 53 dBA at 1 meter with clean filter at full rated air flow.

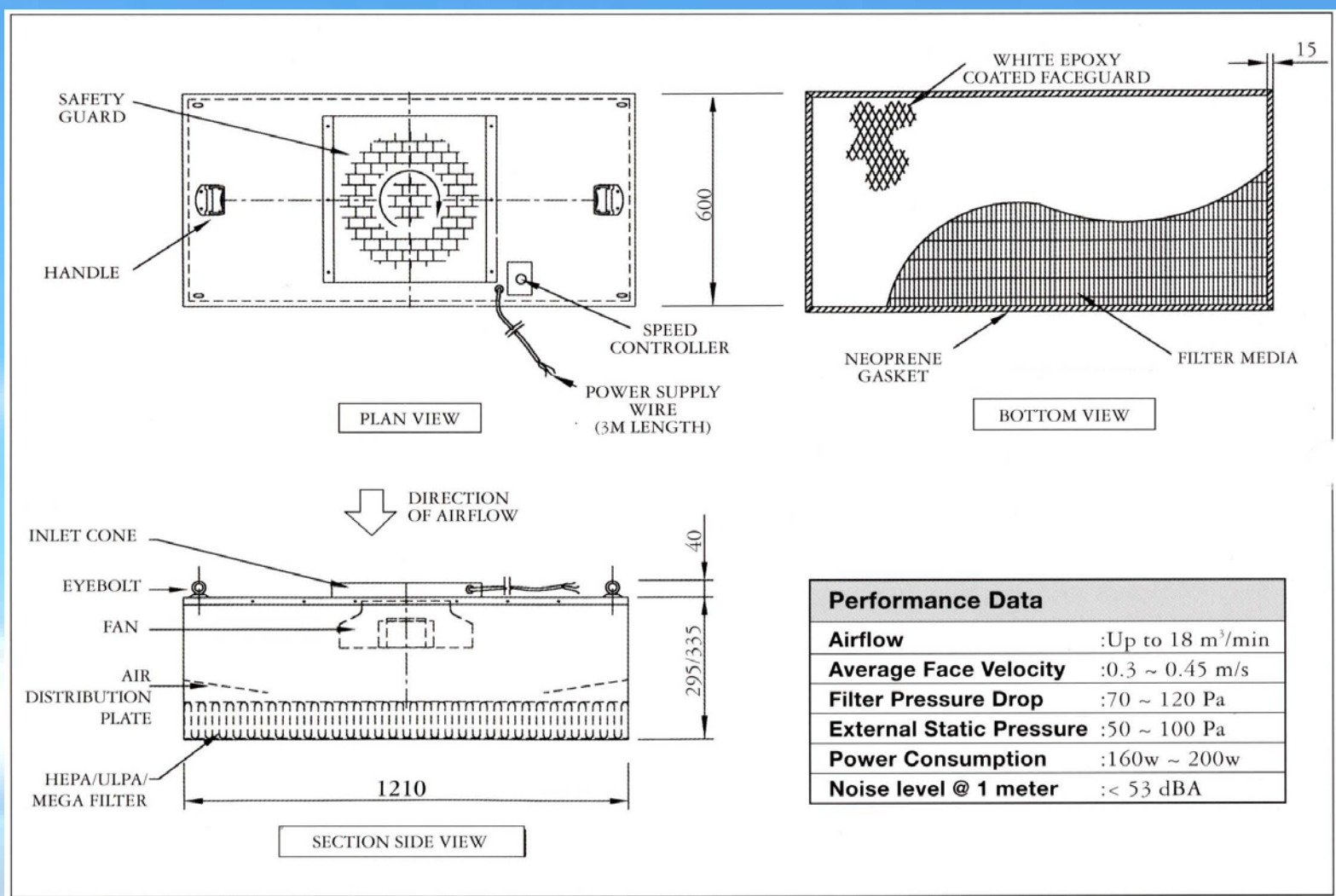
Specification

Standard	
Casing Size (L x W x H)	: 1200 x 600 x 295/335 mm
Material	: Aluminium
HEPA / ULPA Filter	: GloceI FFM (99.99% efficiency on 0.3 μ m ~ 99.999995% efficiency on 0.12 μ m
Power Source	: AC 208 ~ 415V, 3 \emptyset , 50/60 Hz : AC 220 ~ 230V, 1 \emptyset , 50/60 Hz

Options :

- 1) Inlet Collar.
- 2) Pre-filter / Chemical Filter @ inlet collar
- 3) Power coated steel / stainless steel housing
- 4) 3-phase AC motor with variable voltage control
- 5) Electrical commutated (EC) Motor
- 6) PTFE filter

Dimensions



Factory & Sales Registered Office:

GLOBAL FILTRATION CLEAN TECHNOLOGY (I) PVT. LTD.

Plot No: 121-B, Survey No. 99, KIADB Bommasandra Industrial Area, Bangalore – 560 099

E-Mail ID: sales@globalfiltration.in

Landline: 080 - 27834462 | Mob: +91 - 9980471334

CIN:U29253KA2012PTC066994

Branch Office:

GLOBAL AIRFILTER INDIA PVT. LTD.

Plot No:144 Toy City, M.U.P-II, Greater Noida, Uttar Pradesh – 201306

E-Mail ID: senthil@globalfiltration.in

Website : www.globalfiltration.in

Mob: +91 - 9999600719