



Vilair FM-II

Self-contained Fan/Filter Module:

- Self-contained stainless steel 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

Description:

A heavy-duty, self-contained fan filter module designed to achieve class 10,000 to 100 downflow 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.

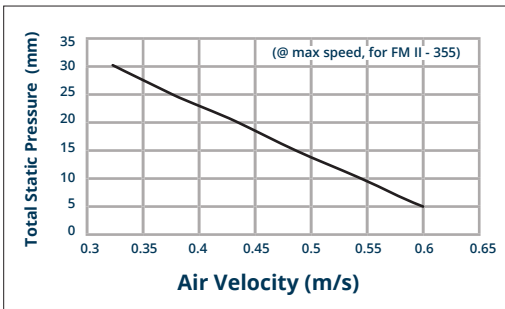
- Can be used to upgrade existing cleanrooms, to convert an existing space to a cleanroom or mini-environment laminar flow workstation.
- Can be suspended independently on rigid hangers when interfaced with suspended ceiling system.
- Suitable for semiconductor, electronics, flat panel and disk drive manufacturing, optical, biological industries and other applications.
- The EC motor technology helps to reduce power consumption and cooling load of the fan module.
- It can be sterilised with disinfectant.

Construction:

- Stainless steel, Color bond steel or aluminum housings.
- A high performance, encapsulated, direct driven backward curved centrifugal fan/motor combination.
- Replaceable HEPA or optional ULPA filter.
- Optional inlet collar is available.
- All components are low off-gassing.
- Solid-state speed controller is mounted on top of the unit.
- 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

Information provided in this brochure is accurate at the time of printing to the best of Vilair-AAF's knowledge, given industry tolerances. However, Vilair-AAF reserves the right to change or update the given information without notice.

Air Velocity Vs Total Static Pressure:



Specification:

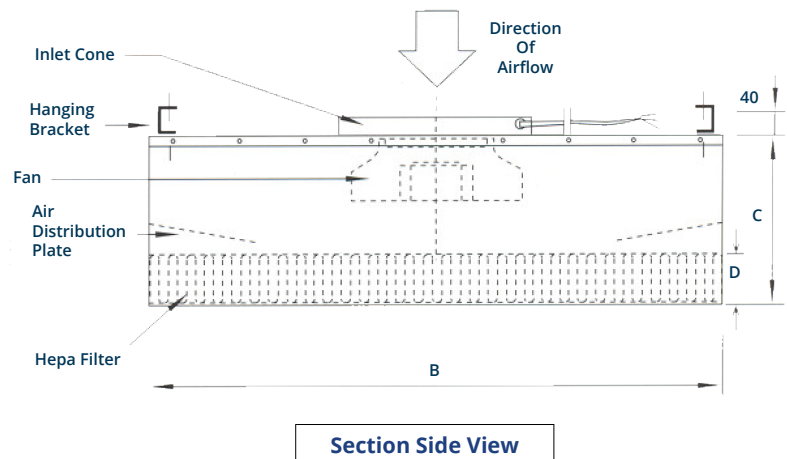
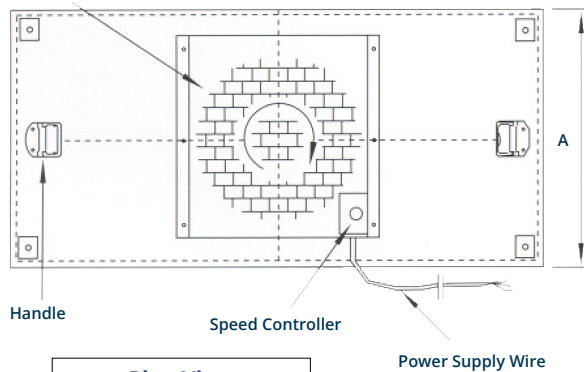
Standard

Power source	: 230/1Ø/50Hz
Noise Level	: 53dBA
Airflow	: 17 m ³ /min
Average Face Velocity	: 0.45 m/s
Housing	: Aluminium, Colour Bond or Stainless Steel SS430
Filter	: AstroCel FM (H14 HEPA Filter - 99.999% efficiency on 0.3 µm particles)

Options

- : - 415/3Ø/50Hz
- U15 ULPA Filter (99.9995% efficiency on 0.12 µm particles)
- Color Bond Steel or Aluminium Housing
- AC Motor with Variable Voltage (V) Controller
- EC System (Electrical Commutated)
- Inlet Collar
- Pre filter

Safety Guard



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