



FAN FILTER UNIT

Fan Filter Unit for Clean Room

The model FFU model is a modular self-contained HEPA/ULPA filter and blower unit which combines features such as rugged, lightweight construction and low profile for almost any clean room application.

It may be used for new clean room design, facility upgrade or incorporated into laminar flow softwall and straddle units. For its light weight it can be eyebolt suspended or installed on reinforced ceiling "T"-grid. Also, horizontal wall units and system are easily set up using the FFU module. Now any company can meet FFU requirements using a series of modules randomly spaced in room or grouped over critical areas.

The FFU design provides balanced air flow across the filter face to comply with FFU for Class 100 Areas. The variable speed motor allows it to overcome the static filter leads while maintaining a constant air velocity. The FFU modular construction permits a convenient filter replacement.

SPECIFIC APPLICATION

Microelectronic fabrication and assembly; pharmaceutical preparation; microscopy analysis; tissue culture; critical sample preparation; sterile filling and packaging; quality control / inspection.

TECHNICAL CHARACTERISTICS

CASE: Light weight anodized aluminium frame with built-in grooves that permit to hang the unit to the ceiling or to connect them one to the other by means of plastic plugs. DOP port included. The unit are Aluminium with built-in prefilter housing and air diffuser with electric fan bearing; electric quick connector and warning light.

ELECTRIC FAN: Variable speed helicoidal blower with directly connected sealed electric motor.

REGULATION PANEL: Equipped with an electronic regulator, main switch and thermic protection

- * 1- Fan can be controlled
- 2- Air flow can be set
- 3- Filters pressure drops displayable
- 4- Can be connected to BMS
- 5- Multiple units can be controlled and monitored from a single point.

FILTER CODE STRUCTURE

Type	FF	FAN FILTER UNIT
Class EN1822	4	%99.99 @0.3µm
Pre Filter	E	MERV7-8
Unit Type	M	M: Rechargeable Filter S: Standard - Fixed Filter
Edge Model	K	K: With Knife Edge F: Straight
Frame Material	T	G: Galvanized A: Aluminum T: SS 304 S: SS 316 P: Electrostatic Paint
Diffuser Type	S	S: Swirl A: Anemostat D: Perforated L: Laminar Tulle
Diffuser Connection Type	O	O: Outside I: Inside
Filter Alarm System	G	G: With Analog DP L: With Lamp X: Without Alarm
Fan Pcs.	1	1: Single 2: Double
FFU Size		24-48-16

For more information please [click here.](#) 