

Description

Unit composed of a filter housing plenum, with upper square inlet, containing a centrifugal fan with electronic regulation of the air flow. Laminar flow filters with mechanical seal or fluid seal can be installed. The lower side is closed by a perforated removable screen for the substitution of the filter element. It is commonly used suspended from the ceiling to create a contamination controlled area below. The standard electronics offers the following features:

- control panel with LCD display for checking the status of the unit, supplied with cable (3mt. length) for remote.
- setting of 3 levels of scale (1/3, 2/3, 3/3 of nominal value) with automatic compensation following pressure drop increase
- Filter change alarm (LED + contact)

Several customizations are possible.

Construction

Anodised aluminum superior ventilation section with top square inlet equipped with class G4 prefilter on the intake of the fan.

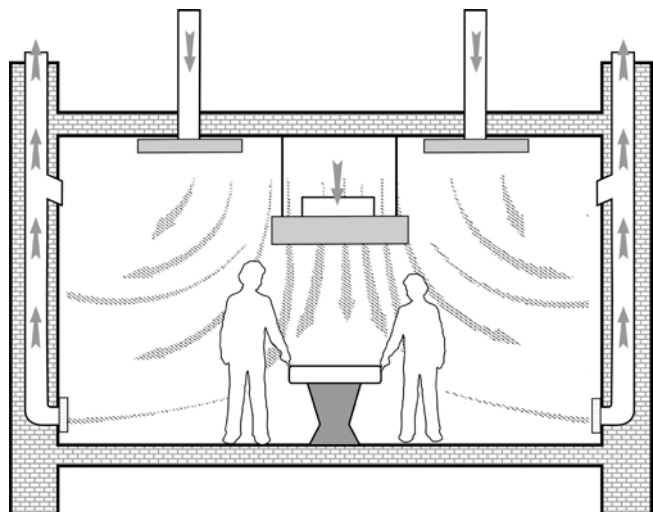
Lower filter section in extruded aluminum, complete of sliding brackets for hanging. Removable microperforated screen in aluminum sheet with mounting using non protruding screws.

Fan

Radial centrifugal forward curved impeller directly coupled, complete with acoustic septum. Repulsion motor d.c. electronically controlled. External rotor on lubricated ball bearings. Class B insulation, IP 44. Power 230 VAC - 50 Hz.

Filter

The unit can contain laminar flow filters series MINILAM or MICROLAM, both with mechanical seal and gel seal gasket. The fixing of the filter element is done by means of quick brackets with pressure Allen.



Noise (clean filter)

Sound pressure level with unit mounted in counterceiling at 2,7 mt. height and microphone placed under at 1,7 mt. height : $L_{PA} = 40/52/60 \text{ dB}_A$ (at 3 velocities).

Disposal

Filter not regenerable. (CER 15 02 03 / 15 02 02* depending on usage).

Applications

Absolute air filtration in terminal systems with vertical unidirectional flow for contamination controlled environments/areas, typically up to class ISO5 according to ISO 14644-1.

Special executions

VLF-PC/DFX : with micro-perforated screen in stainless steel AISI 304

| Type | q_v (m ³ /h) | BxHxP (mm) | M (kg) |
|------|------------------------------|---------------|-----------|
| 2335 | 750 | 905x600x400 | 39 |
| 2347 | 1000 | 1210x600x400 | 43 |

M mass (without filter)

