

Description

Unit composed of a laminar flow filter series MINILAM model LFA class H14 according to EN 1822:2009 ($E_{integral} \geq 99,995\%$ - $E_{local} \geq 99,975\%$) coupled to a centrifugal fan with electronic regulation of the air flow. 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 allarm (LED + contact)

Several customizations are possible.

Construction

Absolute filter frame (series MINILAM) in extruded aluminum with white painted protection meshes. Aluminum sheet plenum with top square inlet equipped with class G4 prefilter on the intake of the fan. Suspension rings (4) in the corners.

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

Absolute filter series MINILAM model LFA class H14 according to EN 1822-2009. When exhaust, it is separated from the fan unscrewing the perimetral screws for replacement.

Disposal

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



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 : $L_{PA} = 40/52/60$ dB_A (at 3 velocities).

Applications

Absolute air filtration in terminal systems with vertical unidirectional flow for contamination controlled environments/areas, typically up to class ISO 5 according to ISO 14644-1.

Special executions

- VLA** : without volume regulation (P = 350 mm.)
- VLD-PC** : with filter series MICROLAM model LFD class U15 according to EN 1822:2009



Type	q _v (m ³ /h)	BxHxP (mm)	M (kg)
2335	860	905x600x330	35
2347	1150	1210x600x330	38

M mass

