

**Hotte Laminare ASAL 900-1200-1500-1800 FLV**

Date tehnică:

FLV	Work area dimension WxDxH (mm)	Overall dimension WxDxH (mm)	Overall dimension with support WxDxH (mm)	Average vertical laminar flow speed (m/s)	Average frontal barrier laminar flow speed (m/s)	Total / Ejected air volume (m <sup>3</sup> /h)	Weight (Kg)
900	926x640x650	1065x790x1360	1065x790x2160	0.40	0.45	1020 / 306	160
1200	1225x640x650	1365x790x1360	1365x790x2160	0.40	0.45	1155 / 350	180
1500	1530x640x650	1670x790x1360	1670x790x2160	0.40	0.45	1395 / 485	200
1800	1835x640x650	1975x790x1360	1975x790x2160	0.40	0.45	1590 / 530	220

Vertical laminar flow hood mod. 900-1200-1500-1800 FLV is indicated for handling of various materials in a sterile environment (guaranteed by the HEPA filter).

It can be used in microbiology, bacteriology, serology, with not pathogen materials, and in cell culture.

It provides excellent protection for personnel, through frontal air flow and electronically adjustable front screen provided with appropriate scale depending on the location of work, and for product, through vertical laminar flow, in class 100 (or ISO 5), parallel to the operator.

The vertical laminar flow is an unidirectional air flow formed by parallel sterile thin thread of air which move at the same speed in every point, so an homogeneous current of air is produced without any turbulence.

In a sterile environment obtained in this way, every contaminator set free in the working area is dragged for away by a sterile source of air.

The air flow is cleaned by Hepa filter. The optimal opening (200 mm.) is calculated in relation to the power of the engine and the air flow (of entry/exit) to ensure a balance of 30% of air expelled, 70% recycled, 30% front intake.

The motor fan, despite the power is extremely quiet and has adjustable speed.

The rear panel and the work surface are drilled in stainless steel 304 2B glazed; work surface divided in modules to allow cleaning and sterilization practice

The front screen opening is motorized; the lights are lateral to allow a clear view inside as it does not create shadows.

The velocity of air flow is regulated by an electronic control circuit with a microprocessor.

Vertical laminar flow hood FLV has been planned, built and tested in accordance with European directives:

- 2006/95/CE (low tension).
- CEI EN 61010-1:2001 certificate n° Z1 06 09 36567 021 with omologation by TUV SUD.
- Directives EMC (European directive 2004/108/CE Electromagnetic compatibility), EN 61326-1:2006 certificate n° Z2 11 10 36567 029 with omologation by TUV SUD.

**ATTENTION:**

All the vertical laminar flow hoods FLV, as an alternative to absolute HEPA filters, can be supplied with absolute ULPA filters (Ultra Low Penetration Air) tested in accordance with regulations C.E.N M.P.P.S 1822 with overall efficiency 99.9995% class U15, which produce a sterile airflow to 0.3 micron class 10 according to Fed Std 209E, (Laser Test Royco 256) or ISO class 4 according to ISO 14644.1.