1800 FLO

HOOD with horizontal laminar flow



The horizontal laminar flow hoods mod. 900-1200-1500-1800 FLO have been designed and built to allow manipulation of controlled contamination products (sterile preparations, soils for microbiology), allowing the creation of a sterile working area in class 100 (or ISO 5).

The hood is not suitable for handling microorganisms or particles that pose a risk to the operator and the environment. Laminar flow is a unidirectional air flow formed by parallel sterile air threads that move at the same speed in all points, so as to create a homogeneous air flow without turbulence. In a sterile environment thus obtained, every free contaminant in the work area is dragged away from a front of sterile air.

The air flow, aspirated from above and pre-filtered, is filtered by an absolute Hepa filter in class H14.

In this cabin, the air emerges from the absolute filter placed in front of the operator and flows parallel to the work surface, until it is dispersed into the environment.

The horizontal laminar flow hood is built to guarantee the maximum degree of protection for the product handled in it.

The cabin must not be used when the treated material can represent a potential danger (pathogenic materials), since the operator is directly hit by the air flow coming from the work area.

ATTENTION

All FLO hoods, as an alternative to the absolute hepa filter, can be supplied with an absolute filter ULPA (Ultra Low Penetration Air) MPPS tested according to CEN 1822 regulations with overall efficiency 99.9995% class U15, which produces a sterile air flow in class 10 0.3 micron, according to Fed Std 209E (Laser Test Royco 256) or ISO class 4 according to ISO 14644.1.

Accessories on request:

- A2790018 - 30 W germicidal lamp complete with roll-up PVC front screen (advised)
- 3/8 ”gas tap (max pressure 2 bar) + safety solenoid valve
- 3/8 "tap nitrogen oxygen argon / inert gas formalin carbon dioxide (max pressure 10 bar)
- Hood support. Dimensions LxWxH:
    - 1800 FLO: 1900x700x800 mm.
- Metal chest of drawers with 3 drawers with wheels WxDxH: 420x550x560 mm, to be inserted under the support.

Technical data

Work area dimensions mm LxWxH	1805x500x600
Overall dimensions mm LxWxH	1925x790x1050
Overall dimensions with support	1925x790x1850

mm LxWxH	
Average speed horizontal laminar flow (m / s)	0.40 - 0.45
Weight in Kg	170
Absorbed power W	650 + 440
(230V 50Hz)	
Protection fuses	2 x 5 AF (5 x 20) mm
Watt / Lux lighting lamp	1x36W 900 Lux
Network connection socket	10A
UV lamp	1 x 30W

External dimensions of the product

Height	1050	mm
Width	1925	mm
Depth	790	mm
Weight	170	Kg

Code	Description
A2940032	1800 FLO HOOD with horizontal laminar flow