

HANGING LAMINAR FLOW CABINET

Hanging laminar flow cabinet is designed for applications requiring laminar air flow in order to protect the product against particle and bacterial contamination, but also full elimination of vibrations caused by laminar.

- fully automatic operation
- effective elimination of vibration
- quiet working
- designed for work with the microscope, scales, micromanipulators, etc.

CONSTRUCTION

Cabinet is equipped with a motor ventilator with electronically controlled fan drive. The speed of the blower is controlled by microprocessor unit, which scans velocity of laminar flow, and keeps it at the value set in the programme. The scanned velocity is simultaneously displayed on the control unit display on the cabinet control panel, together with information of supplied output of the electromotor, e.g. velocity 0.45 m/s (output 55 %). This solution significantly reduces energy consumption. Cabinet is also equipped with setback mode.

All open sides steel components are protected with chemically resistant powder-coated finish. Quiet working is ensured by high quality mufflers. Air filtration is provided with standard high efficiency filter H14 (HEPA), on request is possible to install filter with higher efficiency class (ULPA). Frame construction is made from steel closed sections fitted with highly chemically resistant powder paint coating.

The assembly of hanging laminar cabinet may be delimited its perimeter with overlapping plastic lamellar curtains (lamella width 200 mm, thickness 2 mm) or plexiglas screen.

Hanging laminar flow cabinet is available in two basic versions, according to the method of installation. On wall version is suitable for wall mounting. Where this kind of installation is not possible or cabinet is located farther from the wall we have designed special supporting structure.



On wall version



With supporting structure

DIMENSIONS

External dimensions /mm/	
Weight	Deep
1180	575
Workspace dimensions /mm/	
Weight	Deep
1160	565

TECHNICAL DATA

Electric supply	230 V / 50 Hz / 380 W
Cleanliness class acc. to US FS 209 E	100 (M 3, 5)
Cleanliness class acc. to EN ISO 14644-1	ISO Class 5
Cleanliness class acc. to dle EC GMP Volume 4, Annex 1	A
Air flow rate *	0,45 m.s-1 ± 0,05
Noise level in workspace	max. 53 dB(A)
Noise level in environment	max. 55 dB(A)
Lighting	fluorescent tube 30W

* programmable within the range of 0,20 až 0,60 m..s-1



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