



UNIFLOW BIO-M

Vertical Laminar Flow

UNI-EQUIP

UNIFLOW BIO cabinets provide vertical laminar flow. Most of the air is recirculated through the HEPA filter, with part being expelled into the environment through the exhaust outlet. BIO cabinets operate under negative pressure after sterilization through the HEPA filter and provide Class 100 air according to Federal Standard 209e. They therefore protect the product from micro-organisms and air borne contaminants. The balanced, perforated work surface and design of the working aperture provide an excellent flow laminarity at the work level.

Applications

These cabinets have been specifically designed to meet the demands of modern industrial laboratories, primarily for handling cell cultures and non-hazardous biological agents, when it is necessary to ensure product protection.

Specifications

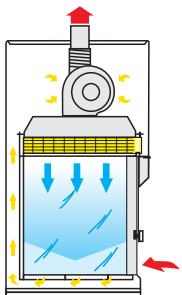
Construction for mod. BIO 48-M/60-M/72-M: Corrosion resistant epoxy powder painted steel.

Work surface: Glazed AISI 304 stainless steel completely perforated to ensure flow laminarity and air recycling at the work surface level.

Transparent side walls: Safety glass.

Absolute Filter: HEPA filter, tested with D. O. P. aerosol. Their efficiency, higher than 99.999% at 0.3 micron particle size – 0.001% penetration – ensures performance exceeding requirements of U.S. Federal Standard 209e, British Standard 5295, VDI 2083 and AS 1386 – 1976.

Motor blower: Direct coupled motor, electronic speed controlled to maintain a constant air flow of 0.45 m/sec, and compensate for a partially clogged filter up to a maximum plenum pressure of 40mm of water.



External air
Recirculated air
Sterile air

Power supply: 220V, 50Hz, single phase. Other voltages available on request.

Lighting: Remote mounted fluorescent light, outside sterile area.

Front window: Safety glass window with camlock.

Spillage tray: A painted spillage tray for mod. BIO 48-M or AISI 304 stainless steel spillage tray for mod. BIO 60-M or 72-M beneath the work surface collects split liquid.

Additional Features: The work area is equipped with an IP-44 electrical socket.



Model	Internal Dim.			External Dim.			Exh. Air m ³ /hr	Temp. rise	Lighting lux	Vibrations	Power Kw	Weight In Kg
	W	D	H	W	D	H						
BIO 48-M	1220	640	580	1312	1430	765	150	< 3°C	900	< 0.006	0.6	150
BIO 60-M	1525	640	580	1617	1430	765	160	< 3°C	900	< 0.006	0.7	180
BIO 72-M	1830	640	580	1922	1430	765	300	< 3°C	900	< 0.006	0.8	200

Dimensions and specifications are subject to change without notice for further improvements on design.
Dimensions may vary dependent on different accessories be used.

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