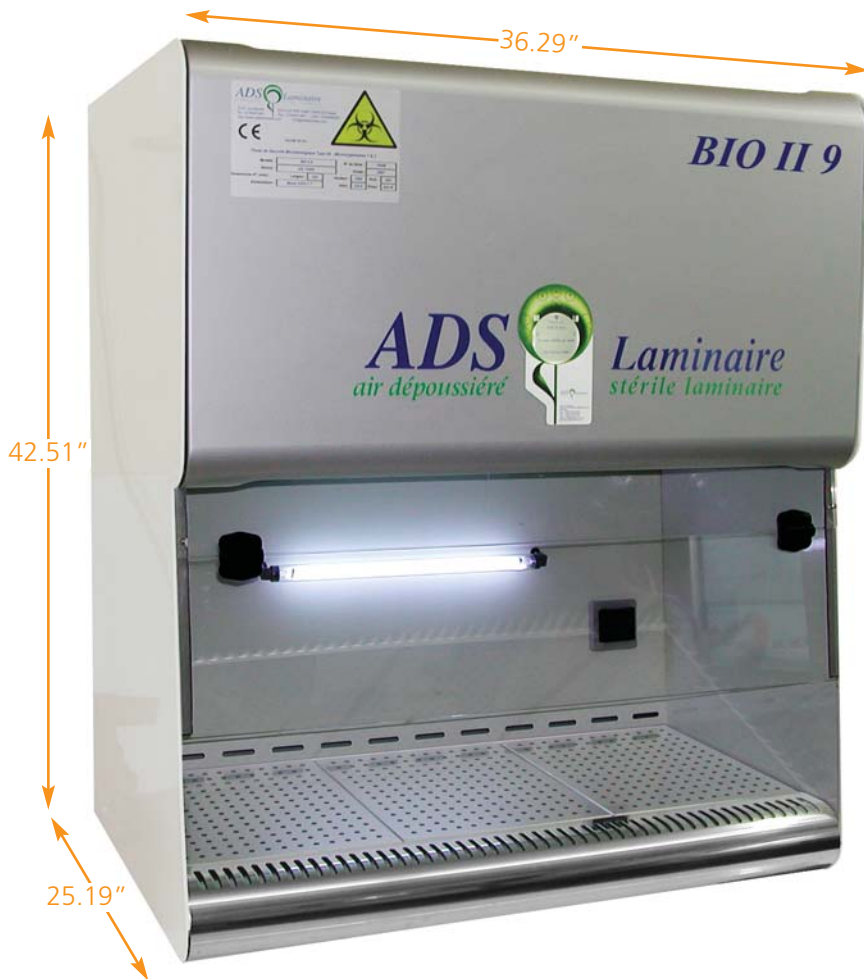


Pure air solutions...

BIO II - Biological Safety Cabinet Type II, A2



Suitable for work with hazardous particulates, micro organisms. Cabinet can be used in small rooms thanks to efficient design.

Features

- Easy startup
- Epoxy-coated steel cabinet
- Perforated stainless steel work surface (304L)/3 elements
- Removable front grill
- Hinged front window, polycarbonate, UV treated
- Includes front closing cover in epoxy-coated steel
- HEPA filter with an efficiency of 99,999% on particles at 0,3 μm (with laminator)
- Installed UV lighting, 254 nm
- Electrical plug on the right side of cabinet
- Easy maintenance by front access
- ECM fan - automatic regulation
- Low sound levels

Control Panel

- Convenient display level with graphic back-lit screen
- Digital read-out with alpha-numeric display indicates input, cabinet status, filters, flow rate & velocity, pressure drop, UV lamp and alarm functions
- User friendly menu and icons
- Scrolling messages: normal use, alarms, next calibration due date
- Software updated by PC connection
- User pin-codes for security
- Multilanguage menu
- Automatic preselected procedure: stand-by mode, normal work, etc.

Electrical Requirements

- 110V/120 Volts

Documents Included

- Conformity Certificate
- 1 year warranty
- User Manual

Options

- Base stand in epoxy-coated steel
- Inlets (gas, air, vacuum)



BIO II is a Biosafety cabinet Type II. First the work space is swept by class 100 (ISO 5) laminar flow which protects the product.

The air flow is completely recycled through the perforated grills around the work surface and the operator protection is made by air streaming in front of the work surface: about 30% of the air flow is passed through a second HEPA filter.



Optigel

The Horizontal Laminar Flow Cabinet



Ideal solution for protecting products from existing contaminants in the air (Class 100, ISO 5)

Control Panel

The CPT (control panel Tac) control panel has a digital display that shows air velocity, inside pressure and fan operating conditions. The CPT also has an alarm that is activated when there is a pressure drop or the main frame filter becomes clogged. On/Off switch for cabinet fan, light and stand-by mode.

Fan System

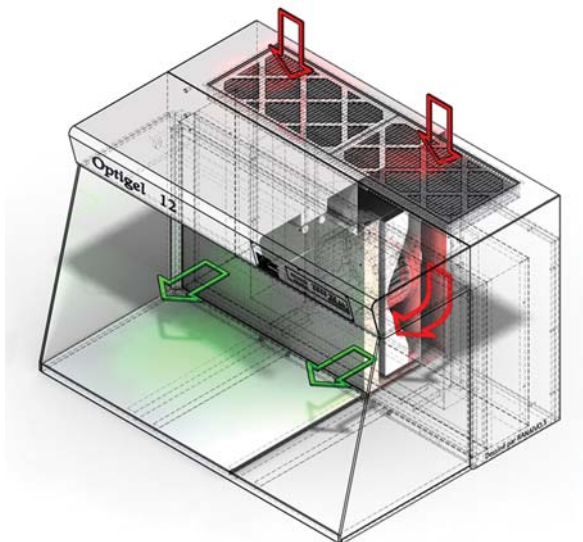
The ECM fan is technologically designed to compensate automatically for filter clogging while providing quiet operation. Cabinet consumes 30-40% less electricity.



Why choose the Optigel?

The Optigel provides a clean air working area of Class 100 (ISO 5). Air is constantly blown horizontally through an absolute HEPA filter into the working area, thus protecting the product inside the cabinet from existing particles in the air.

Air flows evenly across the filter's surface, this preventing turbulence that causes cross contamination.



Lighting

Two (2) fluorescent light bulbs are installed at the top of the chamber, providing 400-600 Lux onto the work area.

Filters

The Optigel has 3 separate filters: 2 pre-filters and 1 mini-pleat HEPA filter, efficiency of 99.999% on particles at 0.3 μm .

Sterility

The Optigel work area is clean to the level of ISO5, Class 100.

Maintenance

No special maintenance is required

Electricity Requirements

- 110V/120 Volts

Documents Included

- Conformity Certificate
- 1 year warranty
- User Manual

Options

- Base stand in epoxy-coated steel
- Inlets (gas, air, vacuum)

IV-GEL

The Vertical Laminar Flow Cabinet



Features a clean air working area of Class ISO-5, according to ISO-14644, Class 100

Control Panel

The CPT (control panel tac) control panel has a digital display that shows air velocity, inside pressure and fan operating conditions. The CPT also has an alarm that is activated when there is a pressure drop or the main frame filter becomes clogged. On/Off switch for cabinet fan, light and stand-by mode.

Fan System

The ECM fan is technologically designed to compensate automatically for filter clogging while providing quiet operation. Cabinet consumes 30-40% less electricity.

Lighting & Electricity

Two (2) fluorescent light bulbs are installed at the top of the chamber, providing 400-600 Lux onto the work area.

Filters

The IV-Gel has 2 filters: 1 pre-filter and 1 mini-pleat HEPA filter with a gel sealant efficiency 99.999% on particles at 0,3µm.

Sterility

The IV-Gel work area is clean to the level of ISO5 (Class 100).

Maintenance

No special maintenance is required.

Electricity Requirements

- 110V/120 Volts

Documents Included

- Conformity Certificate
- 1 year warranty
- User Manual

Options

- Base stand epoxy-coated steel and counter top in HPL (High pressure laminate).
- Inlets (gas, air, vacuum)

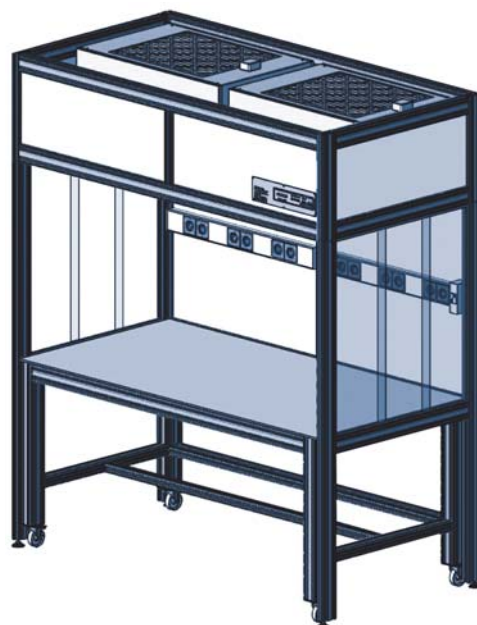


Why choose the IV-GEL?

This laminar flow cabinet provides a clean air working area of Class 100 (ISO 5). The cabinet functions by pulling air evenly through a pre-filter and then blowing it through a HEPA filter into the work area.

The air flows vertically across the work surface, thus preventing air turbulence that could cause cross contamination.

The IV-Gel is a modular cabinet, which can be easily assembled in any give space. It is simple to operate and works quietly.



Specifications

Biosafety and Laminar Flow Cabinets

	BIO II 9				BIO II 12				IV GEL 9				IV GEL 12				OPTIGEL 12				OPTIGEL 18			
	Internal		External		Internal		External		Internal		External		Internal		External		Internal		External		Internal		External	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
Width	919	36	922	36.5	1226	48.2	1229	48.4	900	35.4	930	36.6	1190	47	1230	48.4	1212	48	1243	49	1815	71.5	1875	74
Height	500	19.7	1080	42.5	500	19.7	1080	42.5	660	26	1190	47	660	26	1190	47	620	24.4	800	31.5	620	24.4	800	31.5
Depth	495	19.5	640	25.2	495	19.5	640	25.2	590	23	610	24	590	23	610	24	540	21	850	33.5	540	21	850	33.5
	Overall Height on Stand 74.4"								Overall Height on Stand 81.5"								Overall Height on Stand 68.5"							
Mass	120 kg	264.4 lb	150 kg	330 lb	90 kg	200 lb	100 kg	220 lb	100 kg	220 lb	150 kg	330 lb	100 kg	220 lb	150 kg	330 lb	100 kg	220 lb	150 kg	330 lb	100 kg	220 lb	150 kg	330 lb
Power	110/120 Volts								110/120 Volts								110/120 Volts							
Front Aperture	Closed 183 mm (7,2") Open: 405 mm (16,1")																							
Filter efficiency	99.999% for particles size @ 0.3µm								99.999% for particles size @ 0.3µm								99.999% for particles size @ 0.3µm							
Sound level	<60 dBA								<60 dBA								<60 dBA							
Fluorescent Lamp Intensity	400-600 lux								400-600 lux								400-600 lux							
UV light	254 nm																							

Dynalon offers a variety of Biosafety/Laminar Flow Cabinet accessories:



Venting Wash Bottles



Acrylic Pipettor Holder



Wet / Dry Test Tube Racks



Workstation Storage Bin



Graduated Bottles

350 Commerce Drive
Rochester, NY 14623

Dynalon
Labware
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