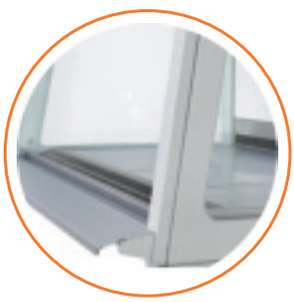
BIO B2 SERIES



PURPOSE AND APPLICATIONS OF THE CHAMBER

Class II safety chambers of the BIO B2 series provide sterile conditions for processed material according to the PN-EN 12469:2002 standard.
They are recommended for work with samples that pose a microbiological hazard.
They guarantee protection of the product, environment and operator.





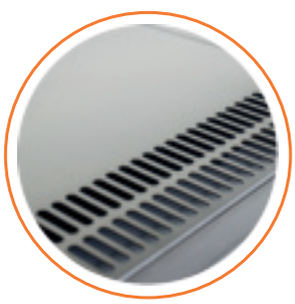
ARMREST

For better work comfort, each chamber is equipped with a removable armrest. It is recommended for longer working hours.



VENTILATION CHIMNEY

The 315 mm diameter chimney provides full air throw power. Upon customer request, it is possible to change the chimney diameter and connect it to the ventilation system.



WORKTOP

Worktop made of stainless steel. Designed holes allow for quick disassembly for disinfection of the surface under the countertop.



HEPA FILTER 99,995% FOR MPPS

- the highest quality HEPA filters installed, checked in our own research laboratory, guarantee the appropriate cleanliness of the air and work environment,
- the chamber has a system monitoring the HEPA filter operating time, allowing to control its effective functioning.

PRODUCT CHARACTERISTICS

- **Adjustable, horizontal laminar airflow** from 0,25 to 0,50
- Air ejection system 100%.
- **Easily replaceable dual filtration system:** main and HEPA H14 with efficiency above 99,995% for MPPS.
- **Automatic HEPA compensation** provides stable and safe volume of the airflow inside the working space.
- Electrically commutated (EC) fan motors ensure **quiet and comfortable operation.**
- **Dual airflow monitoring system** using temperature-compensated sensors, separate-for the vertical laminar flow in the working space and for the inlet flow (flow sensor).
- **Digital work timer** of device & UV lamp.
- **User-friendly and easy 7" inch touch display** „EASYTOUCH" - operated by dedicated buttons with several languages: Polish, English, German, Spanish, French, Italian, Turkish.
- Increased work comfort by **launching functions with dedicated buttons** (without entering lower menu levels).
- The chamber is equipped with **audible and visual alarms** to signal incorrect operation of the device.
- **The stand-by function** maintains a sterile workspace and saves energy by reducing fan performance.
- Date and real-time clock.
- **Cleaning program** - glass washing function with full employee protection (lowering the glass below the worktop).

OPTIONAL EQUIPMENT (additional fee)

- Valves: gas, vacuum, air
- Interior of the workspace made of ANSI 304 stainless steel
- Additional sockets in the workspace: power, USB, RS, RJ, HDMI
- Cable pass-through, additional drilling
- Stainless steel rods for hanging laboratory accessories
- Monitor on the rear wall of the workspace min. 19 inches
- Worktop modifications
- Base with the option of automatic height adjustment of the worktop in the range of 83 - 103 cm
- Connection to ventilation, also with the possibility of potential-free connection
- Information on the working time of individual users
- Drilling in the side walls

ATTESTS

Product certificates:

- microbiological safety certificate TUV PN-EN 12469:2002 and DIN 12980
- electrical safety certificate TUV PN-EN 61010--1:2011, PN-EN 61326-1:2013-06
- CE declaration of conformity
- the chamber is manufactured in accordance with the certified quality management system ISO 9001



Each chamber is tested in the company's testing laboratory operating in accordance with the ISO 17025 standard.

WARRANTY

Warranty of biological safety cabinet: **36 months.**

BIO B2 SERIES

TECHNICAL DATA

LAMINAR
FLOW CABINET
WITH VERTICAL
AIRFLOW

BIO100 B2





Outside dimensions	*wid. / dep. / heig.*	1040 / 790 / 2230	*mm*
Inside dimensions	*wid. / dep. / heig.*	950 / 645 / 660	*mm*
Number of fans		3	*pcs*
Number of fiters	main	1	*pcs*
	exhaust	1	
Effectiveness of HEPA		> 99,995 % for MPPS - H14	*dB*
Komin wentylacyjny		315	*fi (mm)*
Maksymalny wyrzut powietrza z komory		> 500	*m³/h*
Number of plates in the countertop		3 or 1, 2	*pcs*
Maximum window lift height during operation		250	*mm*
Maximum height of front window lifting		500	*mm*
Sound pressure level PN-EN ISO 11201		< 49	*dB*
Power consumption	work mode with light	123	*Wat*
	work mode without light	29	
	nominal power	616	
Power of UV lamp		18	*Wat*
Light intensity		> 1400	*lux*
Number of electrical socket inside case		2	*pcs*
Cabinet construction	worktop	stainless steel 1.4301	
	outside casing	safety glass, gr. 6 mm, inclination at an angle 8°	
	front protective cover	full or partial, polycarbonate	
Control panel with touch display		languages: PL, EN, DE, FR, IT, ES, TR, EL, UK	
Power supply 1-phase		230 V / 50 Hz	*V / Hz*
Weight of device		195	*kg*

TECHNICAL DATA

LAMINAR FLOW CABINET WITH VERTICAL AIRFLOW

BIO130 B2





Outside dimensions	*wid. / dep. / heig.*	1340 / 790 / 2230	*mm*
Inside dimensions	*wid. / dep. / heig.*	1250 / 645 / 660	*mm*
Number of fans		3	*pcs*
Number of fiters	main	1	*pcs*
	exhaust	1	
Effectiveness of HEPA		> 99,995 % for MPPS - H14	*dB*
Komin wentylacyjny		315	*fi (mm)*
Maksymalny wyrzut powietrza z komory		> 600	*m³/h*
Number of plates in the countertop		4 or 1, 2	*pcs*
Maximum window lift height during operation		250	*mm*
Maximum height of front window lifting		500	*mm*
Sound pressure level PN-EN ISO 11201		< 53	*dB*
Power consumption	work mode with light	131	*Wat*
	work mode without light	32	
	nominal power	795	
Power of UV lamp		30	*Wat*
Light intensity		> 1500	*lux*
Number of electrical socket inside case		2	*pcs*
Cabinet construction	worktop	stainless steel 1.4301	
	outside casing	safety glass, gr. 6 mm, inclination at an angle 8°	
	front protective cover	full or partial, polycarbonate	
Control panel with touch display		languages: PL, EN, DE, FR, IT, ES, TR, EL, UK	
Power supply 1-phase		230 V / 50 Hz	*V / Hz*
Weight of device		265	*kg*

TECHNICAL DATA

LAMINAR FLOW CABINET WITH VERTICAL AIRFLOW

BIO160 B2



Outside dimensions	*wid. / dep. / heig.*	1640 / 790 / 2230	*mm*
Inside dimensions	*wid. / dep. / heig.*	1561 / 645 / 660	*mm*
Number of fans		4	*pcs*
Number of fiters	main	1	*pcs*
	exhaust	1	
Effectiveness of HEPA		> 99,995 % for MPPS - H14	*dB*
Komin wentylacyjny		315	*fi (mm)*
Maksymalny wyrzut powietrza z komory		> 600	*m³/h*
Number of plates in the countertop		5 or 1, 2	*pcs*
Maximum window lift height during operation		250	*mm*
Maximum height of front window lifting		500	*mm*
Sound pressure level PN-EN ISO 11201		< 56	*dB*
Power consumption	work mode with light	170	*Wat*
	work mode without light	49	
	nominal power	989	
Power of UV lamp		30	*Wat*
Light intensity		> 1600	*lux*
Number of electrical socket inside case		4	*pcs*
Cabinet construction	worktop	stainless steel 1.4301	
	outside casing	safety glass, gr. 6 mm, inclination at an angle 8°	
	front protective cover	full or partial, polycarbonate	
Control panel with touch display		languages: PL, EN, DE, FR, IT, ES, TR, EL, UK	
Power supply 1-phase		230 V / 50 Hz	*V / Hz*
Weight of device		335	*kg*