Laminar-flow cabinet BIO100 type A2

📄 Deatils

- laminar cabinet II safety class according to norm PN-EN 12469 provides protection of user, product and envirnoment
- vertical laminar air flow adjusted within the range of 0,25 to 0,50 m/s
- silent-running ventilators
- 2 HEPA filters
- automatic filter compensation ensures constant and safe speed of air flow in the cabinet
- hour timer of the cabinet and UV lamp operation. Permanently fixed UV lamp in the upper part of the workspace, protected from accidental switching on during operation
- front window made of tempered double glass without frame, inclined at an angle of 8°, electrically raised and lowered with a possibility to close completely the working space
- sides of the workspace with windows holes (media)
- two power sockets inside workspace
- removable armrest
- frame with lockable castors.

Simple and intuitive steering of the laminar by touchable control panel which can be operates even with the gloves. For more comfortable work steering system has been customized to work in the following languages: English, Polish, German, and Spanish. Furthermore, each function is started by dedicated button to omit entering in the lower levels of menu. The cabinet is equipped in the laminator, specially designed cover under the main filter which provides orderly and steady air flow. Stand-by function maintains chamber in readiness to work. Application of the newest ventilators EC type and cost-effective illumination reduced the electrical energy consumption about 76 % in the work mode and by 87% in the standby mode in comparison to the older models.

🖼 Product`s pictures

✅ Warranty and declarations

- Each cabinet is tested in the factories laboratory maintained according to norm PN-EN ISO/IEC 17025:2005
- 36-month warranty.

✅ Technical data

Extranal dimensions width, depth, height in mm.	1040 / 790 / 2069	
Internal dimensions width, depth, height in mm.	950 / 645 / 660	
Number of fans in pcs.	2	
Number of sheet in worktop in pcs.	3 or 1	
Maximum height of window panel lifting during work in mm.	300	
Maximum height of front window panel lifting in mm.	500	
Air flow according to indications in m/s.	0,25 - 0,50	
Number of HEPA filters in pcs.	preliminary - n/a	
	main - 1 pcs.	
	outlet - 1 pcs.	
Effectiveness of HEPA filters	> 99,995 % for MPPS - H14	
Level of acoustic pressure according to PN-EN ISO 11201 in dB.	< 49	
Lighting in lux.	> 1400	
Power consumption in Watt.	work with one fluorescent < 112	
	work without light < 26	
Power of UV bactericidal lamp in Watt.	15	
Numbers of electric sockets inside the chamber standard, in pcs.	1	
Control panel with touch screen.	available languages: EN, DE, SP, PL	
Gas valve, vacuum or air	option	
Chamber construction	floor, workplates, sides and worktop	stainless steel 1.4301
	external housing	steel DC01, powder coated RAL 7035
	front window panel	safety glass, thickness 6mm, angle 8°
Equipment weight in kg.	190	
Power supply 1-phase.	230V / 50Hz	

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