

# Laminar-flow cabinet BIO160 A2

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## Description

- vertical laminar air flow
- 2 HEPA filters with efficiency of 99.995% for MPPS
- microprocessor control system with touchscreen display in Polish/English or any other language
- automatic filter compensation ensures constant and safe speed of air flow in the cabinet
- hour timer of the cabinet and UV lamp operation
- adjusted air flow
- clear and easy-to-use control panel with optical and acoustic signals
- silent fans, noise level below 56 dB
- front window made of tempered double glass without frame, inclined at an angle of 8°, electrically raised and lowered, with a possibility to shut it completely – closing the workspace
- split worktop (5 autoclavable boards), made of stainless steel
- internal workspace made of stainless steel
- permanently fixed UV lamp in the upper part of the workspace, protected from accidental switching on during operation
- white LED lightning system min. 1400 lux
- workspace sides with window openings
- four power sockets inside workspace
- removable armrest
- frame with lockable castors
- power supply 230V/60 Hz

## Gallery



## Warranty and certificates

Product and manufacturer certificates:

- TUV certificate for compliance with the standard EN 12469, EN 61010-1:2010, EN 61326-1:2013
- CE declaration of the manufacturer
- ISO 9001



Protocol from tests in laboratory is issued and enclosed for each cabinet.

Warranty for the laminar airflow unit: 36-month warranty.





## Technical data



System  
zarządzania  
ISO 9001:2008

www.tuv.com  
ID 9105080567

<b>Nominal width</b> in mm	1640	
<b>External dimensions</b> width/depth/height in mm	1640 / 790 / 2069	
<b>Internal dimensions</b> width/depth/height in mm	1876 / 644 / 710	
<b>Area of working space</b> in m <sup>2</sup>	1,0	
<b>Number of plates in worktop</b> in pcs.	5	
<b>Maximum height of window panel lifting during work</b> in mm	200	
<b>Maximum height of front window panel lifting</b> in mm	440	
<b>Air flow</b> in m/s	inlet	0,53
	working space	0,35
<b>Air flow</b> in m <sup>3</sup> /h	inlet	460
	operation 63%	936
	outlet 37%	460
<b>Number of filters HEPA or ULPA</b> in pcs.	preliminary	-
	main	1
	outlet	1
<b>Filter efficiency</b>	> 99,995 % for MPPS	
<b>Loudness level</b> in dB	< 56	
<b>Illuminance</b> in lux	> 1400	
<b>Maximum power consumption</b> in W	500	
<b>Power of UV bactericidal lamp</b> in W	18	
<b>Number of electric sockets inside the chamber</b> standard, in pcs.	4	
<b>Control panel</b> with touchscreen	menu in polish, english or other language	
<b>Gas valve</b> (option)	mechanical, with 3/8" connector	
<b>Chamber construction</b>	Floor, working plates, sides and back of the working space	Steel sheet AISI 304(1.403). Acid-proof, galvanized steel sheet
	Body	Steel 1203, thickness 1,5 mm, powder coated RAL 7035
	Front window panel	Safety glass, thickness 6 mm, inclined at an angle of 8°
<b>Equipment weight</b> in kg	365	

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