

# Laminar-flow cabinet BIO100 type A2

🏠 [Laminar airflow Safety class II > Laminar-flow cabinet BIO100 A2](#)



System  
zarządzania  
ISO 9001:2008

www.tuv.com  
ID 9105080567

## 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 (3 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. 1200 lux
- workspace sides with window openings
- two 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.





|   |  |   |
|---|--|---|
| <b>Nominal width</b><br>in mm   | 1040   |   |
| <b>External dimensions</b><br>width/depth/height in mm                    | 1040 / 790 / 2069  |   |
| <b>Internal dimensions</b><br>width/depth/height in mm                    | 956 / 644 / 710  |   |
| <b>Area of working space</b><br>in m <sup>2</sup>                         | 0,61   |   |
| <b>Number of plates in worktop</b><br>in pcs.                             | 3  |   |
| <b>Maximum height of window panel lifting during work</b><br>in mm        | 200  |   |
| <b>Maximum height of front window panel lifting</b><br>in mm              | 440  |   |
| <b>Air flow</b><br>in m/s   | inlet  | 0,53  |
|   | working space  | 0,35  |
| <b>Air flow</b><br>in m <sup>3</sup> /h                                   | inlet  | 290   |
|   | operation 63%  | 583   |
|   | outlet 37%   | 290   |
| <b>Number of filters HEPA or ULPA</b><br>in pcs.                          | preliminary  | -   |
|   | main   | 1   |
|   | outlet   | 1   |
| <b>Filter efficiency</b>  | > 99,995 % for MPPS - H14                                  |   |
| <b>Loudness level</b><br>in dB  | < 56   |   |
| <b>Illuminance</b><br>in lux  | > 1200   |   |
| <b>Maximum power consumption</b><br>in W                                  | 400  |   |
| <b>Power of UV bactericidal lamp</b><br>in W                              | 18   |   |
| <b>Number of electric sockets inside the chamber</b><br>standard, in pcs. | 2  |   |
| <b>Control panel</b><br>with touchscreen                                  | menu in Polish, English or other language                  |   |
| <b>Gas valve</b><br>(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><br>in kg  | 190  |   |

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