

CERTIFICATE

no.: TM 61000498.001



Licence holder

ALPINA Polska Sp. z o.o.
ul. Zakładowa 11b
62-510 Konin, PL

Manufacturing plant

ALPINA Polska Sp. z o.o.
ul. Zakładowa 11b
62-510 Konin, PL

Project number

26100536

Our reference

SD/84947818

Certificate validity period

from 17.07.2020 to 16.07.2025

Basis of research

PN-EN 12469:2002

TÜV Rheinland Polska Sp. z o.o. declares that the product described below meets the requirements contained in the reference documents:

Laminar Flow Cabinet Safety Class II, type A2:

Types:

- BIO 100,
- BIO 130,
- BIO 160,
- BIO 190,

TÜV Rheinland Polska Sp. z o.o.

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Product certification body


Tomasz Opaszowski

Warsaw, 17.07.2020

This certificate is subject to the Certification Terms and Conditions and the JCW TRP General Transaction Conditions and applies only to the products that are compliant with the standard used for compliance assessment. This certificate alone does not entitle the holder to affix the CE mark.
This certificate entitles the holder to affix the product with the TÜV mark.



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ALPINA

DECLARATION OF CONFORMITY UE



ALPINA Maciej Mixtacki
ul. B. Krzywoustego 9
62-510 Konin
Polska

Hereby declares under our sole responsibility that equipment manufactured by our factory :

| | |
|-----------------|---|
| Category | : Laminar - flow cabinets of safety class II |
| Typ | : A2 |
| Marka | : ALPINA |
| Model | : BIO 100, BIO 100 CYTO, BIO 130, BIO 130 CYTO, : BIO 160, BIO 160 CYTO, BIO 190, BIO 190 CYTO |

Have satisfying the requirements of the following UE directives:

| | |
|-------------------|--|
| 2014/35/UE | : Low Voltage Directive |
| 2014/30/UE | : Electromagnetic Compatibility Directive |

and meet the requirements of the harmonized standards:

| | |
|-------------------------|---|
| IEC 61010-1:2010 | : Safety requirements for electrical equipment for measurement, control and laboratory use. Part 1: General requirements |
| IEC 61326-1:2012 | : Electrical equipment for measurement, control, and laboratory use. EMS requirements. Part 1: General requirements |
| EN 12469:2000 | : Biotechnology. Performance criteria for microbiological safety cabinets. |

Konin, 14.07.2016
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ALPINA is the one of the leading manufacturer of laboratory equipment in Europe

Laminar-flow cabinet BIO130 type A2

🏠 [Laminar airflow Safety class II](#) > [Laminar-flow cabinet BIO130 type A2](#)



Details

- laminar cabinet II safety class according to norm PN-EN 12469 provides protection of user, product and environment
- 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 operated 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

| | | |
|--|--------------------------------------|---------------------------------------|
| Extrnal dimensions width, depth, height in mm. | 1340 / 790 / 2069 | |
| Internal dimensions width, depth, height in mm. | 1250 / 645 / 660 | |
| Number of fans in pcs. | 3 | |
| Number of sheet in worktop in pcs. | 4 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. | < 53 | |
| Lighting in lux. | > 1500 | |
| Power consumption in Watt. | work with one fluorescent < 119 | |
| | work without light < 31 | |
| Power of UV bactericidal lamp in Watt. | 15 | |
| Numbers of electric sockets inside the chamber standard, in pcs. | 2 | |
| 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. | 260 | |
| Power supply 1-phase. | 230V / 50Hz | |

