



ALPINA

LAMINAR FLOW CABINET

MODEL **K1600**

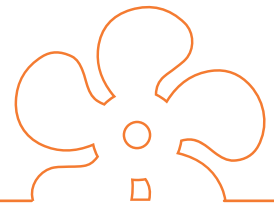


Cabinets K series

WHAT MAKE **US STAND** OUT?

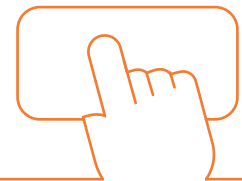
SILENT WORK

Comfortable work is ensured by the silent-running electronically controlled fans EC type and unique system of air flow inside the working space.



USER FRIENDLY TOUCH PANEL

For increase the comfort of work each of the function is actuated by dedicated button whereas menu is available in many languages including Polish, English, German, Spanish, Italian, French, Turkish. Thanks to intuitive pictograms and clear remarks the cabinet is easy to maintain even in gloves and is the basis of system "Easytouch".



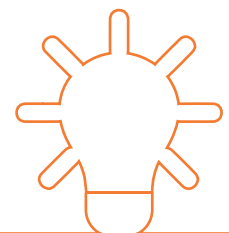
LOW ENERGY CONSUMPTION

The use of high-tech EC fans and energy-efficient lighting reduces power consumption by as much as 76% in operating mode. The power consumption of the K1000 chamber during operation without lighting is only 28 watts, while that of the K1300 model is 33 watts, one of the best in the industry.



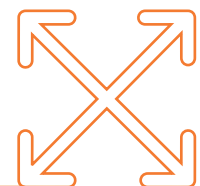
UV LAMP 15 WATTS

The installed 15-watt lamp guarantees disinfection of the interior of the chamber, ensuring sterile working conditions. It is possible to program the working time of the UV lamp up to 9 hours 50 minutes, and when the process is completed, the lamp switches off automatically. The chambers are also equipped with a UV lamp timer.



CHAMBER SIZES FROM 70, UP TO 160 CM

K series chambers are produced as standard in widths from 70 to 160 cm (model K1600). At the request of the customer, we can make any modifications, not only in terms of dimensions, but also functionality - according to the sent guidelines.



FILTR HEPA 99,995% FOR MPPS

Installed top-quality HEPA filters, are checked in our research laboratory, guarantee adequate air purity and working environment. The laminar flow cabinet has a HEPA filter working monitoring system that allows you to control its effectiveness.



















LAMINAR FLOW CABINET WITH VERTICAL AIRFLOW

K1600

Product characteristics

-  The chambers **create sterile conditions** for the material being processed. It is recommended for working with samples, that do not pose a microbiological threat. They **guarantee product protection**; they do not guarantee protection of the operator.
-  **Adjustable, vertical laminar airflow** from 0,25 to 0,50
-  Dual filtration system: **preliminary polyamide EU3 (G3) filter** 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.
-  **Silent working fans**, CA level according to PN-EN ISO 11201 below 55 dB.
-  **Airflow velocity control** using sensor.
-  **Permanently fixed UV lamp** in the upper part of the working space, protected from accidental switching on during operation.
-  **Digital work timer** of device & UV lamp.
-  **Cost-effective, LED illumination** placed inside the working space.
-  Stainless steel work surface.
-  Countertop chamber, does not require dedicated base.
-  **User-friendly and easy 7" inch touch display „EASYTOUCH“** - operated by dedicated buttons with several languages: Polish, English, German, Spanish, French, Italian, Turkish.
-  An electrical outlet on the chamber housing.
-  Optional: blading and base on lockable wheels.

Optional equipment (additional fee)

- › Partial or complete polycarbonate blender
- › Base (table) on lockable wheels.
- › Valves: vacuum, gas, water, air
- › Additional sockets in the working space
- › Stainless steel rods for hanging accessories
- › Passage for cables, additional opening



Dedicated table with stainless steel top



Blenda całkowita dzielona

Attest & warranty

Attests of products:

- › CE declaration
- › Cabinet is produced according to the quality management system ISO 9001

Each cabinet is tested in the factory's laboratory maintained according to norm ISO 17025.

Warranty of biological safety cabinet: **24 months**

Technical data

Outside dimensions <i>wid. / dep. / heig.</i>	mm	1624 / 633 / 780	
Inside dimensions <i>wid. / dep. / heig.</i>	mm	1588 / 625 / 500	
Number of fans	pcs	3	
Adjustable airflow	m/s	0,25 - 0,50	
Number of filters	pcs	prefilter	1
		HEPA main	1
Effectiveness of HEPA	dB	> 99,995 % for MPPS - H14	
Sound pressure level PN-EN ISO 11201	dB	< 55	
Light intensity	lux	> 1400	
Power consumption	Wat	work mode with light	62
		work mode without light	39
		nominal power	386
Power of UV lamp	Wat	15	
Number of electrical sockets on the cabinet casing	pcs	2	
Control panel with touch display	-	lang.: PL, EN, DE, FR, IT, ES, TR, EL, UK	
Gas, vacuum and air valve <i>option</i>	-	mechanical, with connection 3/8"	
Cabinet construction	cabinet construction worktop	stainless steel 1.4301	
	outside casing	safety glass, th. 6 mm steel DC01, powder coated RAL 7045	
	front protective cover	polycarbonate	
Weight of device	kg	127	
Power supply 1-phase	V	230 V / 50 Hz	

Each chamber has an individual test protocol for filter integrity, air velocity and particle content. The test is performed with a photometer, anemometer and laser particle counter.