ALPINA

LAMINAR FLOW CABINET

MODEL **H120**



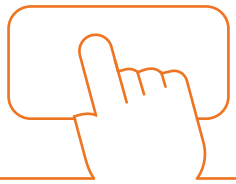
Cabinets H series

WHAT MAKE **US STAND** OUT?

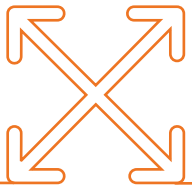
SILENT WORK
Comfortable work is ensured by the silent-running electronically controlled fans EC type and unique system of air flow inside the working space.



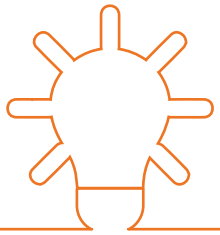
USER FRIENDLY TOUCH PANEL
For increase the comfort of work each of the function is actuated by dedicated button whereas menu is available in many languages including Polish, English, German, Spanish, Italian, French, Turkish. Thanks to intuitive pictograms and clear remarks the cabinet is easy to maintain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



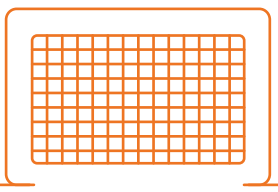
CHAMBER SIZES FROM 125, UP TO 185 CM
K series chambers are produced as standard in widths from 125 to 185 cm (model H150). At the request of the customer, we can make any modifications, not only in terms of dimensions, but also functionality - according to the sent guidelines.



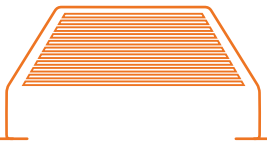
UV LAMP 30 AND 36 WATTS
The installed 30 W (model H120) and 36 W (models H150 and 180) lamps guarantees disinfection of the interior of the chamber, ensuring sterile working conditions. It is possible to program the working time of the UV lamp up to 9 hours 50 minutes, and when the process is completed, the lamp switches off automatically. The chambers are also equipped with a UV lamp timer.



LAMINATIZER
Specially designed mesh with proper distribution of outlet holes organizes air movement and guarantees uniform flow. The laminatizer provides excellent protection for the HEPA filter protecting it from accidental damage during operation.



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 HORIZONTAL AIRFLOW

H120

Product characteristics

- **Adjustable, horizontal laminar airflow** from 0,25 to 0,50
- Dual filtration system: **premliminary 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: 800 and 1400 lux.
- **Laminarizer that organizes air movement and protecting the HEPA filter from damage.**
- 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 base on lockable wheels.

Optional equipment (additional fee)

- Base (table) on lockable wheels.
- Valves: vacuum, gas, water, air
- Additional sockets in the working space
- Passage for cables, additional opening



Dedicated table with stainless steel top

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 *wid. / dep. / heig.*		*mm*	1250 / 790 / 950
Inside dimensions *wid. / dep. / heig.*		*mm*	1190 / 630 / 600
Number of fans		*pcs*	2
Adjustable airflow		*m/s*	0,25 - 0,50
Number of fiters		*pcs*	prefilter: 1 HEPA main: 1
Effectiveness of HEPA		*dB*	> 99,995 % for MPPS - H14
Sound pressure level PN-EN ISO 11201		*dB*	< 49
Light intensity		*lux*	> 1400
Power consumption	operation with a single LED fluorescent lamp	*Wat*	49
	operation with a double LED fluorescent lamp		53
	nominal power		420
Power of UV lamp		*Wat*	30
Number of electrical sockets on the cabinet casing		*pcs*	1
Control panel with touch display		-	lang.: PL. EN, DE, FR, IT, ES, TR, EL, UK
Gas, vacuum and air valve *option*		-	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
Weight of device		*kg*	116
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.