



ALPINA

LAMINAR FLOW CABINET

MODEL **K500**





LAMINAR FLOW CABINET WITH VERTICAL AIRFLOW

K500

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.
- **Cost-effective, LED illumination** placed inside the working space.
- **Silent working fans**, CA level according to PN-EN ISO 11201 below 55 dB.
- Countertop chamber, does not require dedicated base

Optional equipment (additional fee)

- UV lamp in workspace
- Stainless steel work surface.

Attest & warranty

Attests of products:

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

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

Technical data

Outside dimensions		wid. / dep. / heig.	mm	530 / 500 / 810	
Inside dimensions		wid. / dep. / heig.	mm	480 / 430 / 470	
Number of fans			pcs	1	
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	
Light intensity			lux	> 1200	
Cabinet construction		worktop	-	acid resistant steel sheet	
		outside casing		steel DC01, powder coated RAL 7045	
		side windows		safety glass, th. 6 mm	
Weight of device			kg	36	
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.