

Laminar airflow unit S100 (PCR)

Laminar air flow unit is used to clean the air from dust impurities in microbiological, biotechnological and biochemical tests. It ensures sterile conditions of processed material, protected from outside impurities.

The latest S100 laminar flow unit model is particularly recommended for the PCR /DNA tests.

Product photos:



Technical specification:

Air flow

- laminar, vertical

Filters:

- polyamide pre-filter, class EU3 (G3) according to PN-EN 779
- main absolute HEPA EN 1800 filter, filtration effectiveness min. 99.997% for 0.3 μm particles.

Microprocessor control:

- automatic mode – the unit automatically performs all actions to be prepared for operation (scavenging, flow settings, activation of fluorescent lamp)
- manual mode – a user can specify the unit settings at any time (flow, fluorescent lamp, UV)

The unit has a digital operation time counter and an internal control system which informs about

operation errors. The design allows work of the operator during the UV lamp operation, allows decontamination in the workspace and achieving aseptic conditions during work.

Cabinet dimensions:

	Total dimensions	Workspace
Width	1020 mm	980 mm
Height	985 mm	650 mm
Depth	738 mm	700 mm

Unit equipment:

- workspace lighting lamp
- UV bactericidal lamp
- Electrical socket on the unit housing
- operation time counter for the unit and the UV lamp
- stainless steel working tabletop
- UV-resistant polycarbonate front glazing, fully closing the workspace

Product certificates:

- certified by an independent certification body
- CE declaration of the manufacturer

Each cabinet has its own report on velocity filter integrity and air flow test. The test is conducted with a laser particle counter, paraffin oil mist and anemometer, all measuring devices have a valid certificate of calibration.

Non-standard versions:

- Openings cut in side walls
- Increasing the workspace to maximum 80 cm,
- Media connections in side walls
- UV lamp replaced with an additional source of light
- Other customized versions

Warranty for the laminar airflow unit :

- 24-month warranty.
- Full service within and outside the warranty period and filter replacement ensured by the manufacturer.

Transport and packing:

- Possible shipping to each country, costs of transport calculated individually
- Cardboard box with polystyrene foam protection
- Transportation dimensions - 1 EURO size pallet, height 1250 mm

For details on each unit, you can also visit our website www.e-alpina.eu