



# Product datasheet

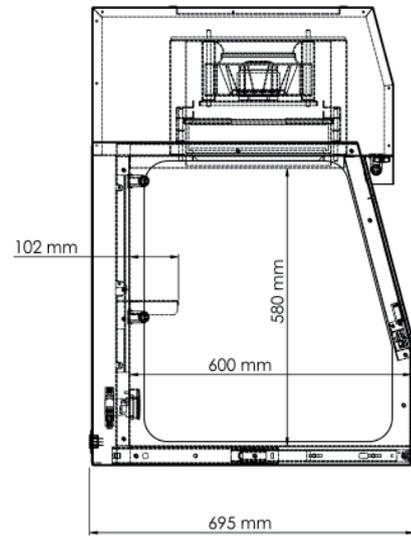
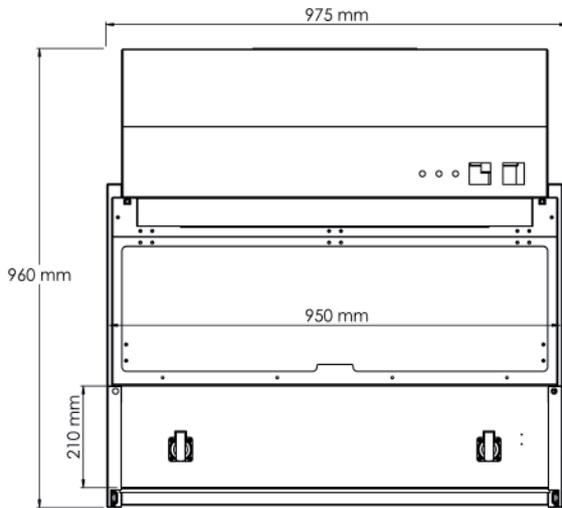
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## Lys

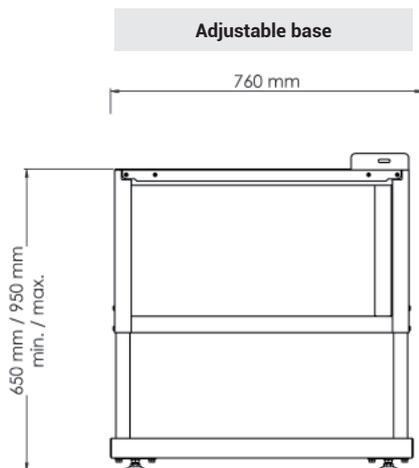
PCR workstation



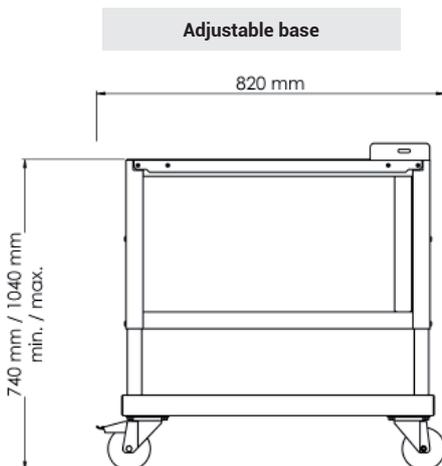
**Model: Lys 900 ventilated**



**Base without wheels**



**Base with wheels**



## Dimensions

Model		Ventilated		Non-ventilated	
		Lys 700 V	Lys 900 V	Lys 700 NV	Lys 900 NV
External	Width (mm)	770	975	770	975
	Depth (mm)	685	695	685	695
	Height (mm)	960		800	
Internal	Width (mm)	750	950	750	950
	Depth (mm)	600			
	Height (mm)	580			

## Technical specifications

Model		Ventilated		Non-ventilated	
		Lys 700 V	Lys 900 V	Lys 700 NV	Lys 900 NV
Standards compliance	Protection provided: ISO Class 5, according to the NF EN ISO 14644 HEPA H14 filters – 99.995% MPPS (EN 1822-1:2019 standard)		-		
Ventilation	EC air flow fan(s)		-		
Air flow rate – supply	450 m <sup>3</sup> /h	590 m <sup>3</sup> /h	-	-	
Air flow velocity	Between 0,25 and 0,50 m/s				
Voltage/Frequency	230 V (± 10%) / 50 Hz				
Max. power consumption	300 W	330 W	100 W	130 W	
Brightness	> 700 lx				
Front window tilt	25°				
Frame	White painted steel				
Side and front panels	Laminated glass (highly resistant to ultraviolet radiation)				
Workspace and work surface	Brushed 304L stainless steel				
Weight	90 Kg	100 Kg	60 Kg	70 Kg	

## Equipment

Germicidal UV decontamination	2 UV tubes – Breaks DNA/RNA strands that may contaminate handling UV cycle time setting via controller
Closing panel	Allows the front window to be completely obstructed during a UV decontamination Automatic stoppage of UV cycle when panel is opened: SAFETY Device for storing the front panel under the workstation
Electrical outlets	2 electrical outlets with protective covers
Shelf	1 storage shelf, in 304L stainless steel
UV cycle timer	Counts the hours of usage for the UV tubes

## Options

Adjustable base, with or without wheels	White painted steel Working positions spaced 2.5 cm apart can be set at installation Front wheels fitted with brakes
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# About Erlab

The Erlab Research and Development laboratory

Since 1968, Erlab has been a specialist, inventor and world leader in ductless, zero-emission filtering fume hoods for laboratories to provide total safety in chemical handling.

Today, Erlab is expanding its offer. The company designs, manufactures and markets protective equipment against the risks of biological contamination, mainly in the fields of health, research, industry, etc...

## 1 Standards

Erlab's biological devices comply strictly with current standards.

NF EN 12469:2000	Biotechnology - Performance criteria for microbiological safety cabinets
NF EN ISO 14644-1:2015	Cleanrooms and associated controlled environments - Part 1: classification of particulate air cleanliness
NF EN 1822-1:2019	High-efficiency air filters (HEPA and ULPA) - Part 1: Classification, performance testing and marking
ISO 10648-2 :1994	Containment hoods. Part 2: Classification according to leak tightness and associated inspection methods

## 2 R&D department

Erlab and its engineers have acquired in-depth knowledge of products, biomedical constraints and applicable standards. Erlab is able to develop a range of products in line with market expectations and offer customised solutions that are truly tailored to the needs of laboratories.

## 3 Our Expertise

Erlab offers customised solutions for all non-standard industrial applications. Its technical expertise enables it to meet all protection requirements, including the most complex, particularly in the field of isototechnology.

## 4 Our Technology

Touchscreen	For easy control of your appliances!
Twist & Clean» device	For easy cleaning of the front glass of the PSM Solis!
H2O2 bio-decontamination	For effective decontamination of the PSM Solis work volume!
Inverter	To keep the PSM running in the event of a power cut, in complete safety!
Voice control	For easy operation of the PSM Solis's electric front window!

## 5 The maintenance

Erlab can offer you a preventive and/or corrective maintenance contract. Erlab's technicians will carry out maintenance on your equipment. The aim is to check the general condition of the equipment and, above all, to check the operating parameters, which guarantee the effectiveness of the protection.

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ecosystem