



Technical description

Lys
PCR workstation



OVERVIEW:

PCR Workstation Lys are specially designed for PCR (Polymerase Chain Reaction) application.

Available in different version: ventilated or unventilated. PCR hoods offer the best solution for decontamination by UV radiation. UV radiation break sequencing DNA and avoid spoiling your manipulations

Designed to simplify your work, they have the best ergonomics possible for an easy work. This range of equipment is produced following high quality procedures and is entirely designed and made by Noroit, in France.



STRUCTURE:

- Internal chamber made of 304L brushed stainless steel,
- Frame is made of steel, with polyester coating, which give a smooth quality surface, easy for cleaning and decontamination,
- sides and front windows, made of laminated glass, UV resistant,
- 25° angle front window.

DECONTAMINATING:

UV radiation (254nm wavelength) provide an efficient germs disinfection.

Two UV tubes avoid any dead zone inside the working space. Decontaminating cycle can be only launched with the front window closed.

VENTILATED VERSION RUNNING:

The ventilation is provided by a centrifuged fan with variable speed for a really low sound system.

The working space is protected by a laminar flow free of impurity.

Pre-filtration is provided by a prefilter G3 (efficiency > gravimetry 85%) located on the hood. The prefilter is easily replaceable by the user.

Filtration is provided by an HEPA H14 filter (efficiency > 99,999% for particles > 0,3 µm) granted a perfect air quality (Class 100 / ISO 14-444).

TECHNICAL SPECIFICATIONS:

Model		Ventilated		Unventilated	
		Lys 700 V	Lys 900 V	Lys 700 NV	Lys 900 NV
Dimensions - equipment					
Internal	Width (mm)	750	950	750	950
	Depth (mm)	600	600	600	600
	Height (mm)	580	580	580	580
External	Width (mm)	770	960	770	960
	Depth (mm)	685	695	685	695
	Height (mm)	960	960	800	800
Weight					
Weight	Kg	90	100	60	70
Airflow					
Downflow	m3/h	450	590	-	-
Downflow air velocity	m/sec	0,35m/sec		-	-
Filtration					
Specification		HEPA H14–99,995% MPPS (EN 1822-1)		-	-
Protection					
Product	Class	ISO 5 - class 100		-	-
Electrical data					
Voltage	V	230 (+/-10%)			
Frequency	Hz	50 Hz			
Power consumption	W	300 W	330 W	100 W	130 W
Ergonomics					
Brightness	Lux	>750lux			
Electrical outlet	Quantity	2			

ERGONOMICS:

Equipment and Specs

The PCR workstation Lys is equipped with a neon tube, easily replaceable by the user. It provides a soft and bright light inside the workspace.

There is an electrical outlet inside the workspace.
10A maximum, with a cowl and protect by a circuit breaker, easily accessible to users.

Inox shelf is available in the back of the workspace.

Two UV tubes provide a good radiation for the best clean-up.

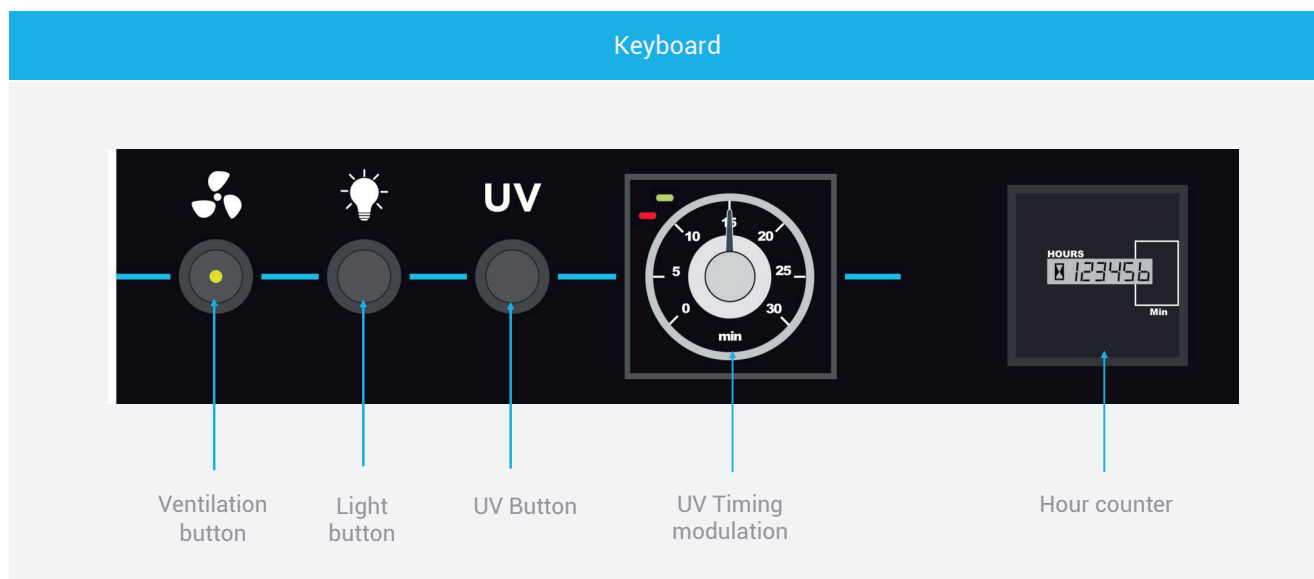
Closure panel can be stored under the hood.

UV process is automatically stopped if the panel is open for the best safety.

KEYBOARD CONTROL:

Keyboard commands are in front of the hood.

This hood is user friendly. You do not need any training to use it.



OPTIONS:

Options	Comments
<p>Fixed base with or without castors</p>	<p>Steel base with a cured polyester powder coating. The standard height is 74 cm, for a work surface height of 87 cm in relation to the floor.</p>
<p>Adjustable base without wheels</p>	<p>Steel base with a cured polyester powder coating. The height of the base is adjustable at installation. There are 12 working positions available, spaced 2.5 cm apart. Minimum height: 50 cm, or the height of the work surface: 63 cm. Maximum height: 80 cm, or the height of the work surface: 93 cm.</p>
<p>Adjustable base on wheels</p>	<p>Steel base with wheels with a cured polyester powder coating. The front wheels have breaks. The height of the base is adjustable at installation. There are 12 working positions available, spaced 2.5 cm apart. Minimum height: 58 cm, or the height of the work surface: 71 cm. Maximum height: 88 cm, or the height of the work surface: 1 metre.</p>

Hour counter