

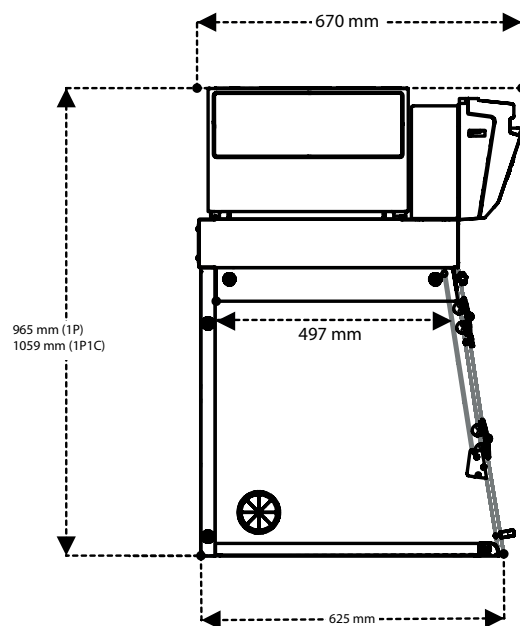
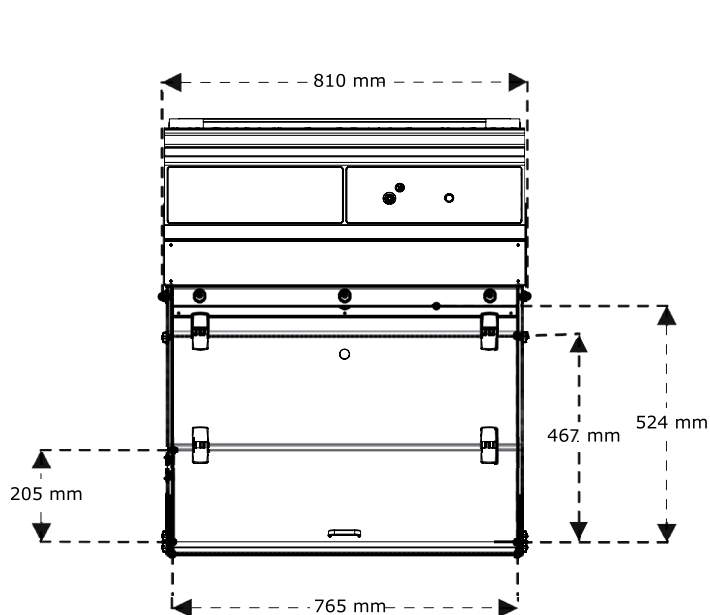


PRODUCT DATASHEET

Captair Bio 321 Smart

Mobile ductless filtering PCR workstation

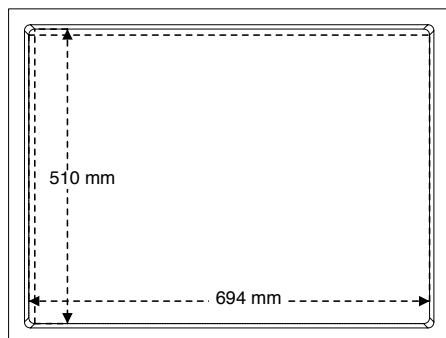




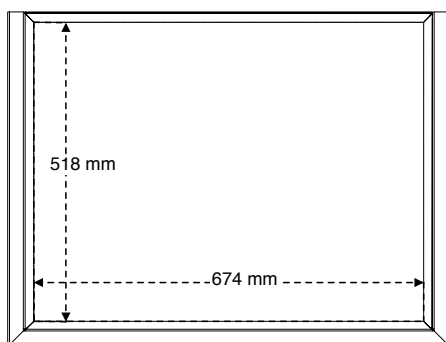
Please add **150 mm** between the last filter and the ceiling to allow good air recirculation and to replace filters easily.

Work surfaces with built-in spill tray

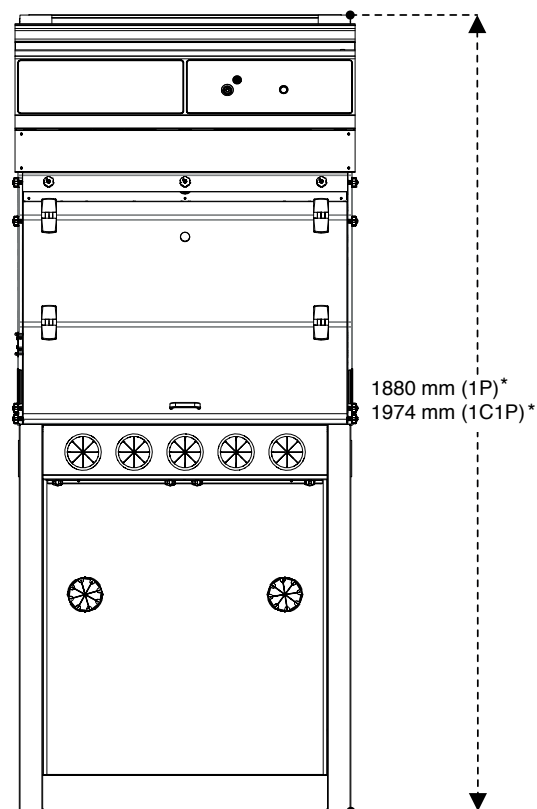
Trespa® Top Lab^{PLUS}



Inox 304 L



Benchcap: Fixed work bench



*For Mobicap: Rolling cart, deduct 27 mm.

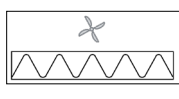
FILTRATION TECHNOLOGY



Our **filtration column** can be configured for your specific application requirements.

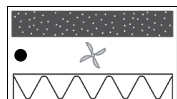
FILTER CONFIGURATION

Protection against particles



1P

Protection against particles & VOCs



1C 1P

 Ventilation ● Molecode: Automatic alarm to detect filter breakthrough

FILTER TYPES:

Particulate filtration for powders



Carbon filtration for gases and vapours



AS: For Organic vapours

BE+: Polyvalent for Acid + Organic vapours

F: For Formaldehyde vapours

K: For Ammonia vapours

Model

	1P	1C 1P
Safety standards	NF EN 61010 – EU Marking – EN 1822: 1998 (HEPA H14 & ULPA U16 Filters) – ISO 14644-1	
Voltage/Frequency	110-230 V / 50-60 Hz	
Air face velocity	0.35 m/s – 69 fpm	
Air flow	200 m³/h – 118 CFM	245 m³/h – 144 CFM
Power consumption	40 W	45 W
Decibel level	54 dBA	57 dBA
Side and front panels	Enclosure in 10 mm thick synthetic glass is designed to protect users from harmful UV rays and β (Beta) emitted from radioactive isotopes such as: T(3H), 14C, 32P	
Structure	Corrosion resistant electro-galvanized steel coated with antiacid polymer	
Filtration module	Polypropylene	

Filtration

Particulate filter (1P)	HEPA H14: This filtration technology traps particles larger than 0.1 µm with 99.995% efficiency according to the MPPS method set forth in the EN 1822-1 standard ULPA U16: This filtration technology traps particles larger than 0.1 µm with 99.99995% efficiency according to the MPPS method set forth in the EN 1822-1 standard
Carbon filter (1C) (optional)	Adding a carbon filter to your enclosure allows protection of your samples from VOCs. AS filter: For Organic vapours
Particulate prefilter	Protects particulate filters from dust contained in the laboratory environment (only for 1P version)

Features

Worktop	Stainless steel 304 L / TRESPA® Top Lab ^{PLUS}
Bactericidal UV lights	15 W – Wavelength: 254 nm
	0.08 mJ/s/cm²
Internal lighting	LED – IP 44 – 6000 K
	900 lux
Monitoring	Real-time control of security settings
Monitoring of ambient manipulation conditions	Particles measuring system (adjustable alert threshold according to ISO 14644-1 standards)
Anemometer	Monitors a drop in pressure that indicates pre-filter or filter replacement is required
Side panel utility ports	To allow electrical cables and/or fluid lines to enter the enclosure with ease – 2 per unit
Ceiling lighting	ON/OFF light button

Accessories

Benches	Rolling cart (Mobicap) or Fixed bench (Benchcap)
Shelves	Internal metal sliding shelf (only for Benchcap)
Molecode S	Automatic detection of VOC filter breakthrough



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.

1 ERLAB filtration

We provide technologies to protect laboratory staff from inhaling chemicals. This is made possible thanks to our **Research and Development (R&D) department**, which has continuously improved our filtration technology **for more than 50 years**. That's why, in 2009, we invented the **ERLAB ABOVE** label for tried and tested filtration technology.

2 The AFNOR NF X15-211: 2009 standard

ERLAB's filtration technology conforms to the **NF X15-211: 2009 standard**, the industry's most demanding standard for molecular filtration, developed by a committee of independent scientists and specialized manufacturers.

This text imposes performance criteria linked to:

- Filtration efficiency
- Containment efficiency
- Air face velocity
- Documentation: **chemical listing**

3 The ESP programme

A set of three services included with the purchase of each device designed to ensure your safety.



eValiQuest Risk analysis – Determination of protection needs – Determination of ergonomic needs



ValiPass Certified installation – Total safety for handling



ValiGuard Ongoing monitoring – Preventative and maintenance inspections – Device reconfiguration based on protection needs – Development of handling

4 Flex technology

The combination of molecular and particulate filtration technologies allows a single device to meet laboratories' protection needs. This innovation from ERLAB's R&D department offers unprecedented **flexibility, versatility and value**. A single device can be reconfigured over time and easily reassigned to other applications.

5 Smart technology

Smart technology is a **simple and innovative** means of communication that improves safety. This technology uses a light and sound signal to indicate the user's level of protection. The advantages of the technology are:

- 1 | **Light pulsation:** Real-time communication via **LED light pulses** intuitively alerts the user to the device's operating status.
- 2 | **Simplicity:** One-touch activation.
- 3 | **Detection system:** The exclusive detection system continuously monitors filtration performance.
- 4 | **Built-in monitoring:** This service provides direct access to the **status, settings and history** of your device.

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