



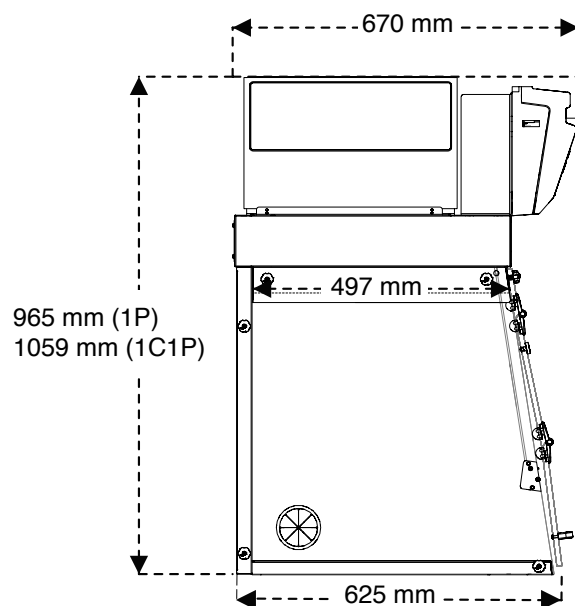
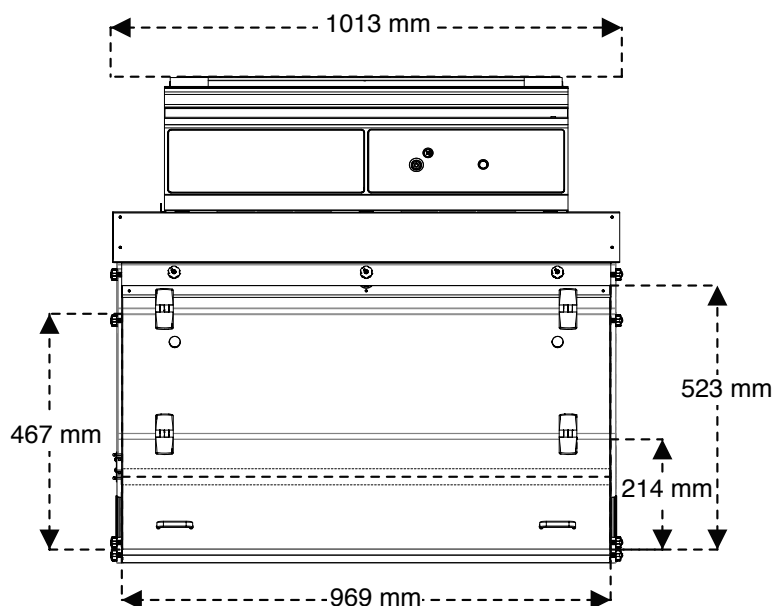
## PRODUCT DATASHEET

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### Captair Bio 391 Smart

Mobile ductless filtering PCR workstation

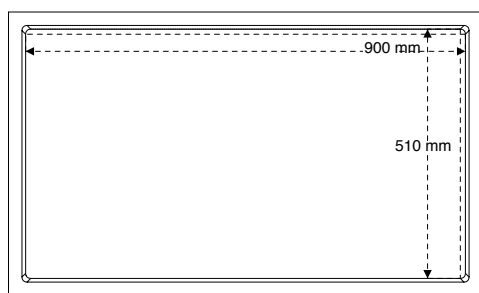




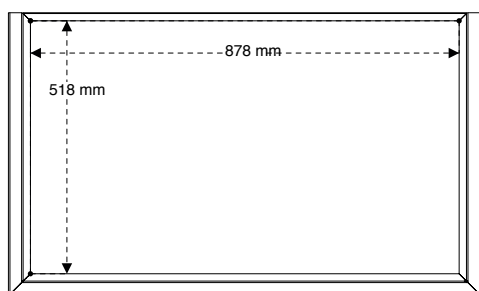
Please add **150 mm** between the last filter and the ceiling to allow good air recirculation and to replace filters easily.

### Work surfaces with built-in spill tray

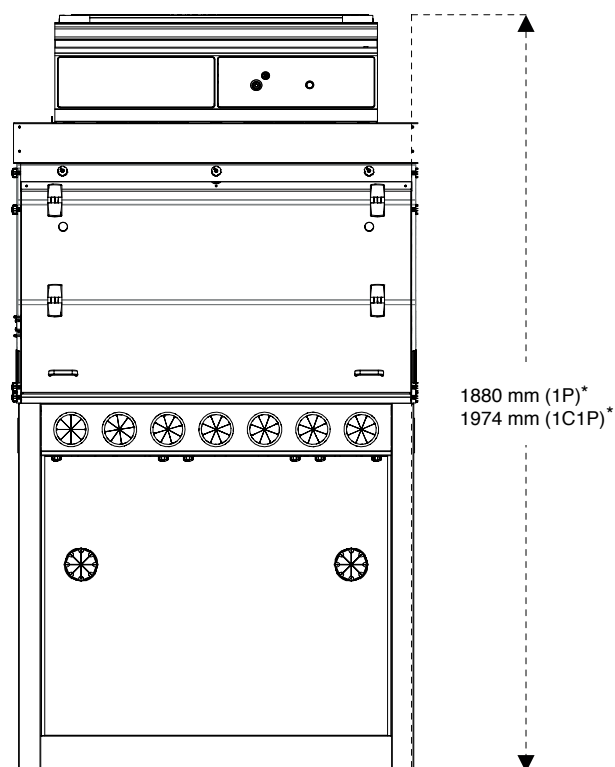
#### Trespa® Top Lab<sup>PLUS</sup>



#### Inox 304 L



### Benchcap: Fixed work bench



\*For Mobicap: Rolling cart, deduct 27mm.

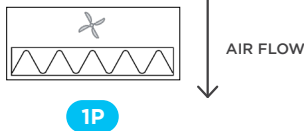
## FILTRATION TECHNOLOGY



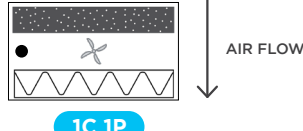
Our **filtration column** can be configured for your specific application requirements.

### FILTER CONFIGURATION

#### Protection against particles



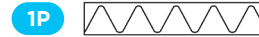
#### Protection against particles & VOCs



 **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
<b>Safety standards</b>	NF EN 61010 – EU Marking – EN 1822: 1998 (HEPA H14 & ULPA U16 Filters) – ISO 14644-1	
<b>Voltage/Frequency</b>	110-230 V / 50-60 Hz	
<b>Air face velocity</b>	0.35 m/s – 69 fpm	
<b>Air flow</b>	200 m³/h – 118 CFM	245 m³/h – 144 CFM
<b>Power consumption</b>	40 W	55 W
<b>Decibel level</b>	55 dBA	57 dBA
<b>Side and front panels</b>	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	
<b>Structure</b>	Corrosion resistant electro-galvanized steel coated with antiacid polymer	
<b>Filtration module</b>	Polypropylene	

## Filtration

<b>Particulate filter (1P)</b>	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
<b>Carbon filter (1C) (optional)</b>	Adding a carbon filter to your enclosure allows protection of your samples from VOCs. AS filter: For Organic vapours
<b>Particulate prefilter</b>	Protects particulate filters from dust contained in the laboratory environment (only for 1P version)

## Features

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

## Accessories

<b>Benches</b>	Rolling cart (Mobicap) or Fixed bench (Benchcap)
<b>Shelves</b>	Internal metal sliding shelf (only for Benchcap)
<b>Molecode S</b>	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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**ecosystem**