

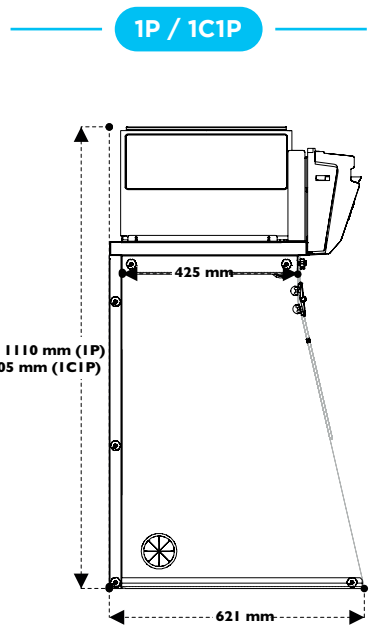
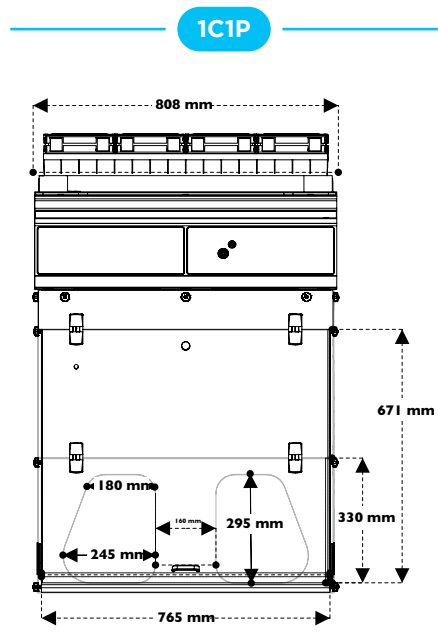
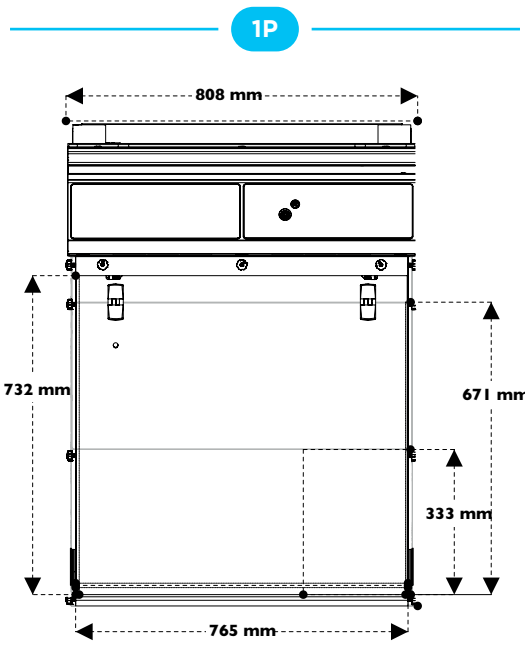



Product datasheet

Captair Flow 321 Smart

Mobile ductless filtering clean air enclosure

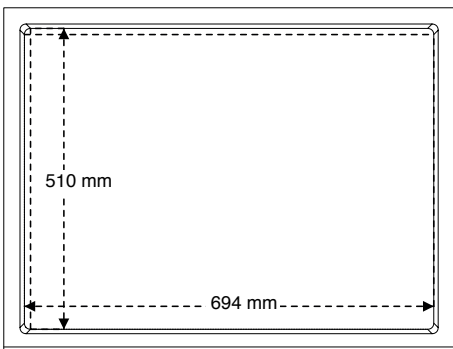




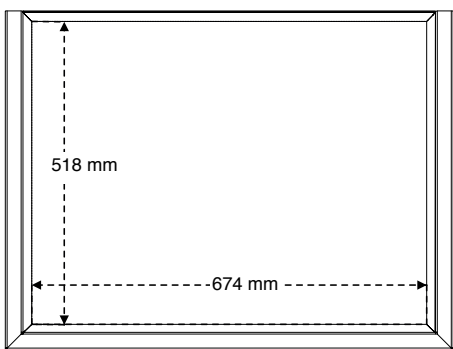
 Please add 150 mm between the last filter and the ceiling to allow good air recirculation and to replace filters easily.

Work surfaces with built-in spill tray

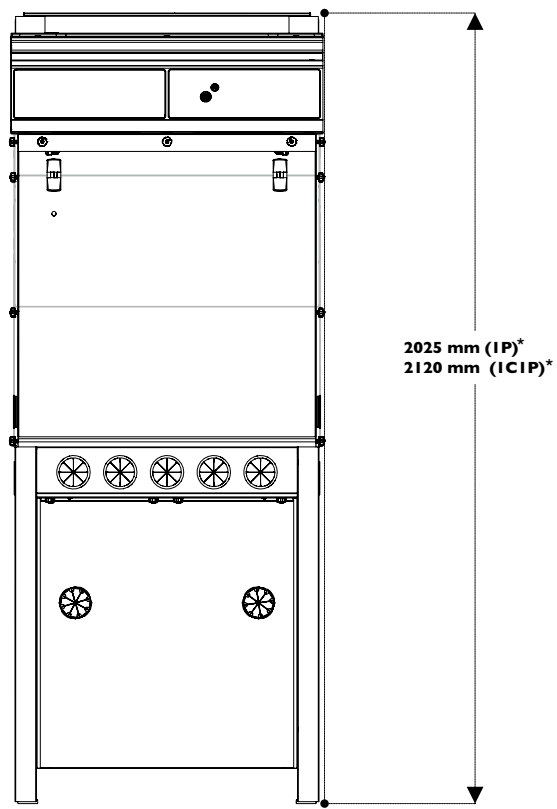
Trespa® Top Lab^{PLUS}



Inox 304L



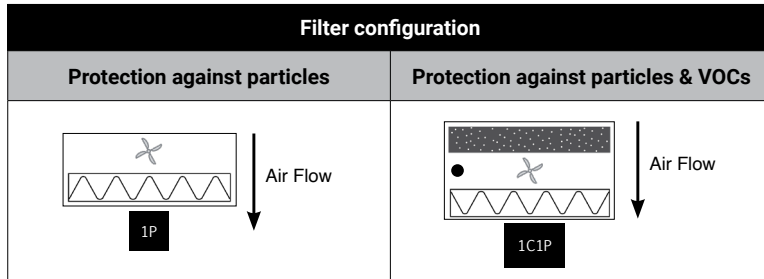
Benchcap: Fixed work bench



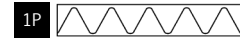
*For Mobicap : Rolling cart, deduct 27 mm.



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



Filter types:



Particulate filtration for powders



Carbon filtration for gases and vapours

 **Ventilation** ● **Molecode** : Automatic alarm to detect filter breakthrough

Model	1P	1C1P
Safety standards	NF EN 61010 – EU Marking – EN 1822: 1998 (HEPA H14 & ULPA U16 Filters) Air quality within the enclosure: ISO Class 5 EN 14644-1 standard	
Voltage/Frequency	110-230 V / 50-60 Hz	
Air face velocity	0.35 m/s / 69 fpm	
Air flow	320 m ³ /h / 188 CFM	150 m ³ /h / 88 CFM
Power consumption	55 W	35 W
Decibel level	59 dBA	49 dBA
Side and front panels	Chemical resistant acrylic	
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}
Internal lighting	LED – IP44 – 6000 K
	800 lux
Monitoring	Real-time control of security settings
Monitoring of ambient manipulation conditions	Particles measuring system
Anemometer	Monitors a drop in pressure that indicates prefilter 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



The ERLAB Research and Development Laboratory

About ERLAB

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