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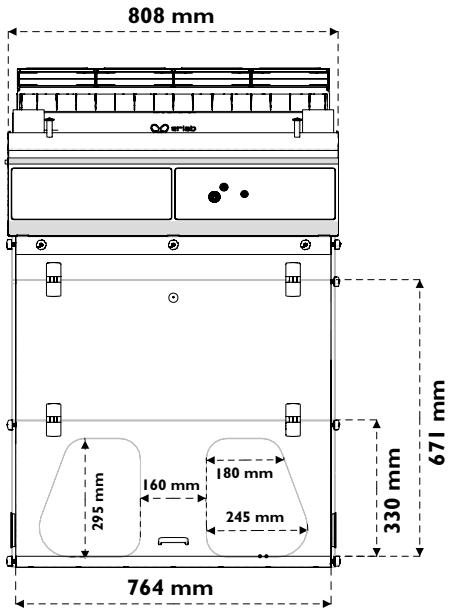
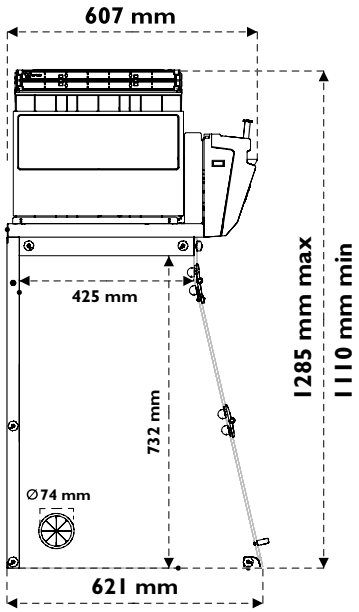
You can breathe.

Product datasheet

Captair 321 Smart & Midcap

Ductless filtering fume hoods





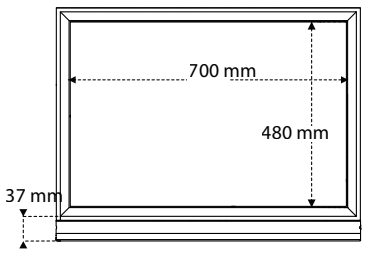
Heights according to the filtration column configuration	
Type 1C or 1P	1110mm
Type 2C or 1P1C or 1C1P*	1205mm
Type 1P2C or 1P1C1P*	1285mm

*Not available on Captair 321 Midcap.

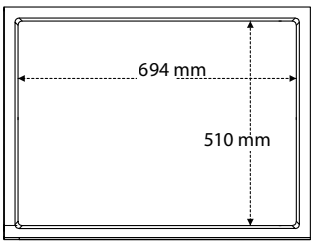
Please add 150mm between the last filter and the ceiling to allow a good air recirculation and to replace filters easily.

Work surfaces with built-in spill tray

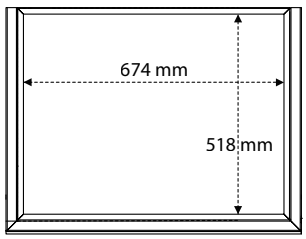
Tempered glass
Retention volume (4L)



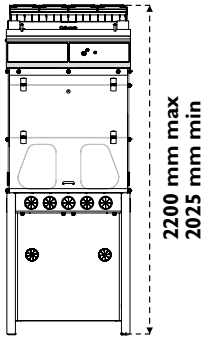
Trespa® Top Lab^{PLUS}
Retention volume (4L)



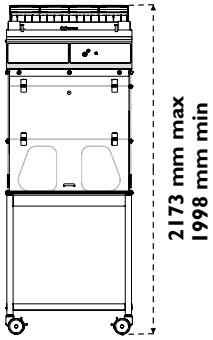
304L stainless steel
Retention volume (9L)



Benchcap: Fixed work bench



Mobicap: Mobile rolling cart



Captair 321 Smart & Midcap

Ductless filtering fume hoods

FILTRATION TECHNOLOGY
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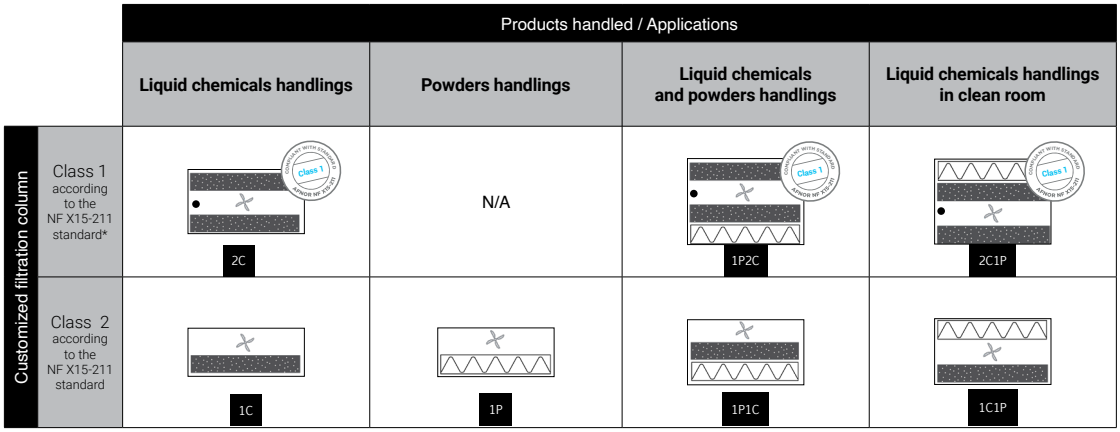
Modular design of the filtration column allows to adapt to every protection needs.



C — **Carbon filtration for gases and vapours**
AS: For organic vapours
BE+: Polyvalent for acid + organic vapours
F: For formaldehyde vapours
K: For ammonia vapours

P — **Particulate filtration for powders**
HEPA H14: 99.995% efficiency filtration of particles over 0.1µm in size
ULPA U17: 99.999995% efficiency filtration of particles over 0.1µm in size

Ventilation

Molecode
Automatic alarm to detect a filtration fault

Class 1 = Maximum safety

Safety standards	AFNOR NF X15-211: 2009*: France – BS 7989: England DIN 12 927: Germany – EN 1822: 1998 (HEPA H14 & ULPA U17 Filters) – EU Marking
Air flow	220m³/h – 135CFM
Air face velocity	0.4 to 0.6m/s – 79fpm to 118fpm
Voltage/Frequency	110-230V/50-60Hz
Power consumption	65W
Sash opening	Oblong
Structure	Corrosion resistant electro-galvanized steel coated with antiacid polymer
Side and front panels	Chemical resistant acrylic
Filtration module	Polypropylene

Features

Communication interface*	Simple communication by audible and light pulses: unit running time, air face velocity, automatic alarm to detect a filtration fault, ventilation settings, fan failure alarm
Filtration technology	1 column that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapours	Following filtration column configuration (see table above)
Particulate filtration for powders	Following filtration column configuration (see table above)
Monitoring*	Real-time control of security settings
Monitoring of ambient handling conditions*	Temperature (T°) / Hygrometry (RH) sensors
Internal lighting*	LED lighting > 650lux
Anemometer*	Air face velocity alarm
Anemometer**	Air face velocity indicator
Chemical listing	List of 700+ approved chemicals compliant with AFNOR NF X15-211 filtration standards
Ceiling lighting	ON/OFF light button
Work surfaces	Tempered glass / Trespa® Top Lab^{PLUS} / 304L stainless steel

Options

Molecode*	Detection sensor: Type A, for acids / Type F, for formaldehyde / Type S, for solvents
Benches	Mobile (Mobicap) or Fixed (Benchcap)
Bench equipment	Technical gases outlets, water outlets, front control valves, sink, power sockets (Only compatible with Trespa® Top Lab^{PLUS} worktop and fixed bench)
Particulate pre-filter	Protects the main filter(s) from dust
Transparent back panel	Clear acrylic panel for easy viewing

*Not available on Captair 321 Midcap. | **Not available on Captair 321 Smart.

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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