

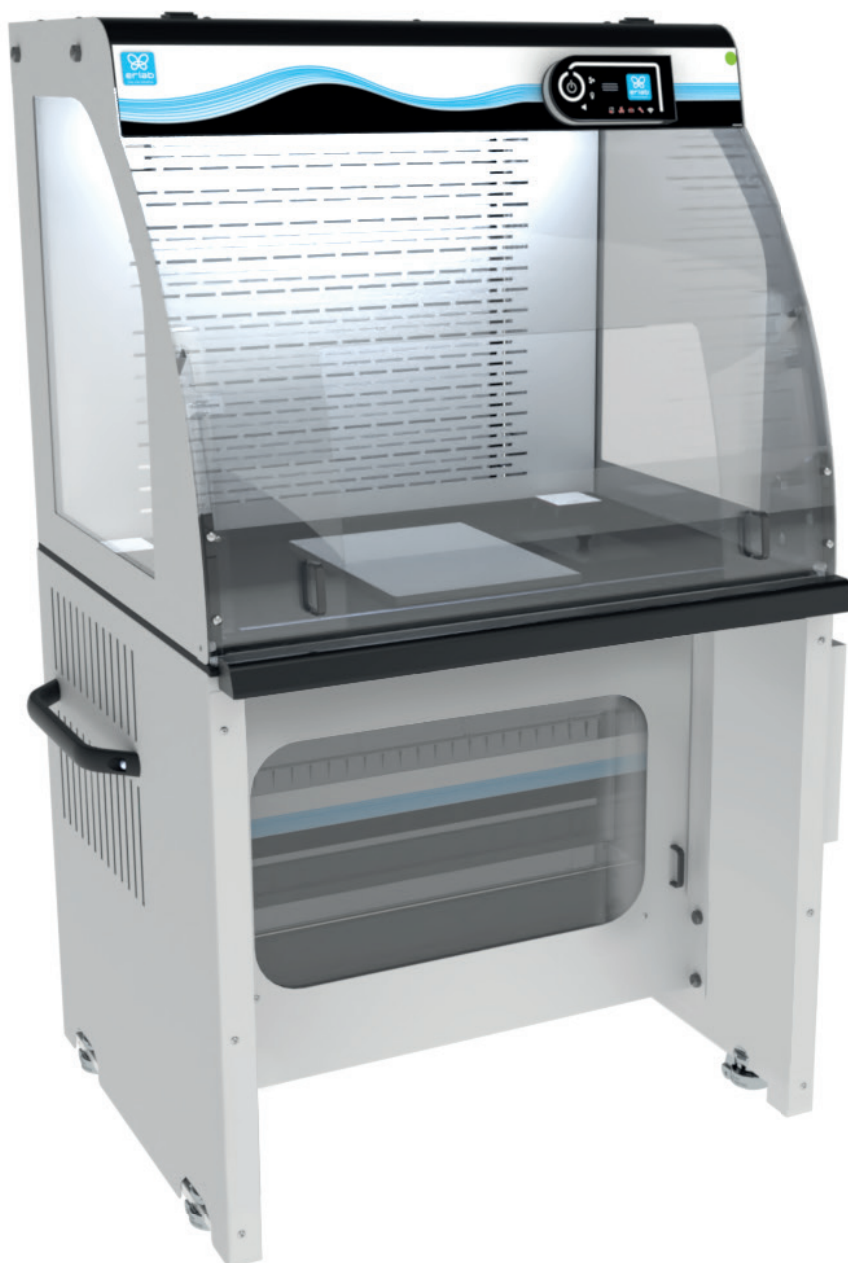


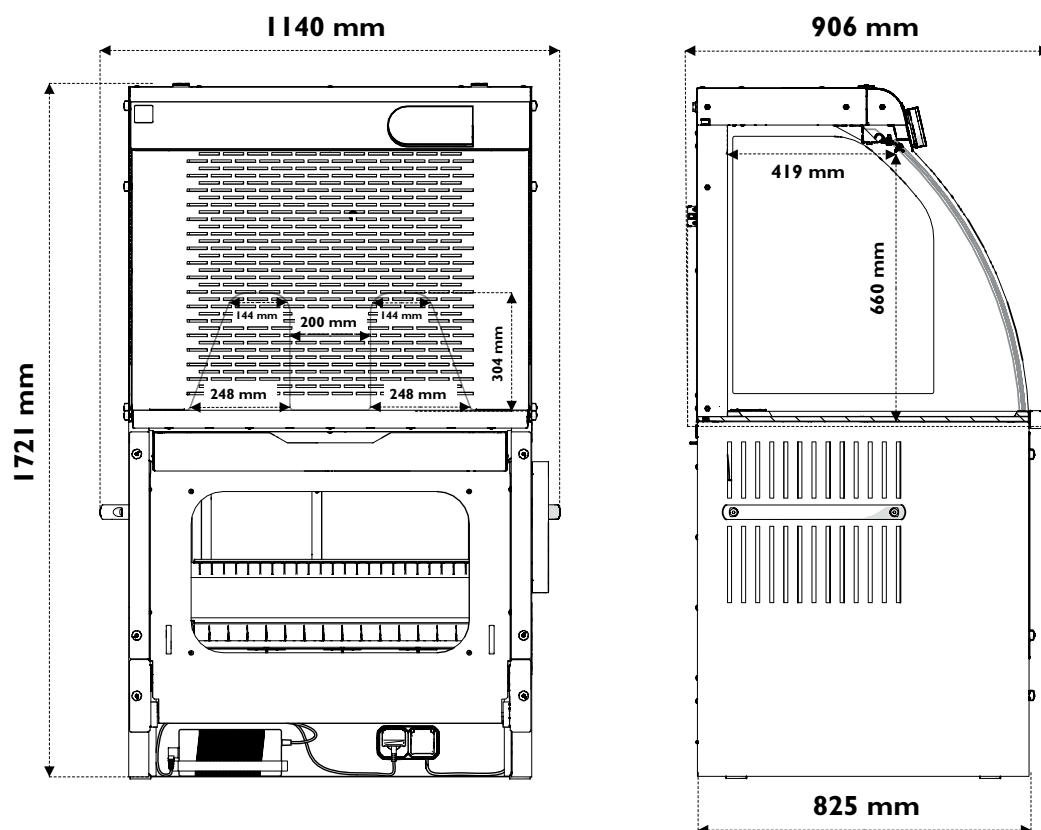
## PRODUCT DATASHEET

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### **Captair 391** Smart

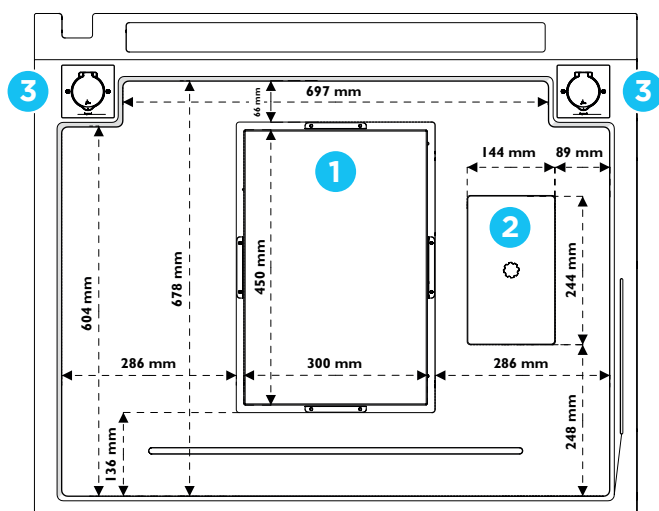
Secure weighing station





Work surface

Trespa® Top Lab<sup>PLUS</sup>


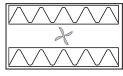
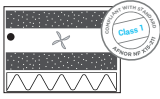
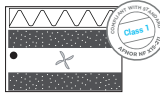
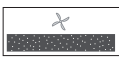
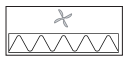
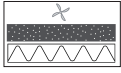
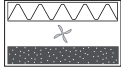
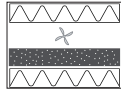


- ① Weighing plate
- ② Waste port
- ③ Electrical outlet

Fixed work bench



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

		Products handled / Applications			
		Liquid chemicals handlings	Powders handlings	Liquid chemicals and powders handlings	Liquid chemicals handlings in clean room
Customized filtration column	Class 1 according to the NF X15-211 standard	 2C	 2P	 1P 2C	 2C 1P
	Class 2 according to the NF X15-211 standard	 1C	 1P	 1P 1C	 1C 1P  1P 1C 1P



**Carbon filtration for gases and vapours**  
AS: For Organic vapours  
BE: Polyvalent for Acid + Organic vapours  
F: For Formaldehyde vapours  
K: For Ammonia vapours



**Particulate filtration for powders**  
HEPA H14: 99.995% efficiency filtration of particles over 0.1µm in size  
ULPA U17: 99.99995% efficiency filtration of particles over 0.1µm in size



**Molecode**  
Automatic alarm to detect a filtration fault



**Class 1**  
= Maximum safety

<b>Safety standards</b>	AFNOR NF X15-211: 2009: France – EN 1822-1: 2019 (HEPA H14 Filter) – EU Marking*
<b>Air flow</b>	220 m³/h (Carbon Filter) – 300 m³/h (HEPA Filter)
<b>Air face velocity</b>	0.4 to 0.6 m/s
<b>Voltage/Frequency</b>	100-240 V / 50-60 Hz
<b>Power consumption</b>	Max. 2300 W (with 2 sockets inside)
<b>Sash opening</b>	Oblong, Slider (Carbon Filter) or Trapezoidal (HEPA Filter)
<b>Structure</b>	Corrosion resistant electro-galvanized steel coated with antiacid polymer
<b>Side and front panels</b>	Chemical resistant acrylic
<b>Filtration module</b>	Polypropylene

## Features

<b>Communication interface</b>	Simple communication by audible and light pulses: air face velocity, automatic alarm to detect a filtration fault, ventilation settings, fan failure alarm
<b>Filtration technology</b>	1 adaptable filtration column (with BIBO** secure filtration unit)
<b>Carbon filtration for gases and vapours</b>	Following filtration column configuration (see table above)
<b>Particulate filtration for powders</b>	Following filtration column configuration (see table above)
<b>Monitoring</b>	Real-time control of security settings
<b>Monitoring of ambient handling conditions</b>	Temperature (T) / Hygrometry (RH) sensors
<b>Internal lighting</b>	LED lighting > 600 lux
<b>Anemometer</b>	Air face velocity alarm
<b>Documentation</b>	List of 700+ approved chemicals compliant with AFNOR NF X15-211 filtration standards (Chemical Listing) Best practice guide
<b>Ceiling lighting</b>	ON/OFF light button
<b>Work surface</b>	Trespa® Top Lab <sup>PLUS</sup> + Weighing marble
<b>Bench</b>	Mobile (installation) and Fixed (with anti-vibration rubber-tyred wheels)
<b>Mounting</b>	Appliance delivered pre-assembled

## Options

<b>Molecode</b>	Detection sensor: Type A, for Acids / Type F, for Formaldehyde / Type S, for Solvents
<b>Weighing marble</b>	Inox 304 L
<b>Waste port</b>	Positioning on the left side or right side

\*The EN 14175 Part 3 & ASHRAE 110 standards only apply to extraction weighing stations. That is why this weighing station does not refer to them.

\*\*BIBO: Bag In Bag Out system.



# 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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