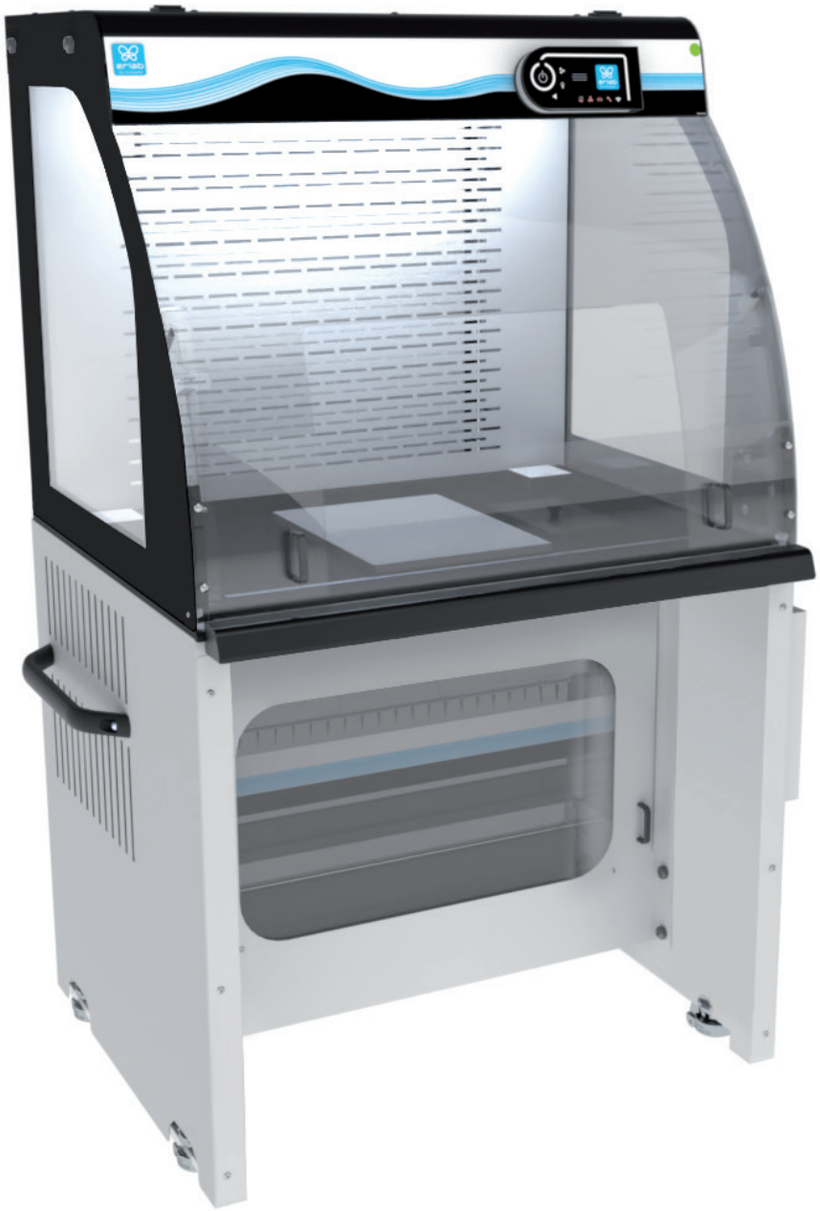
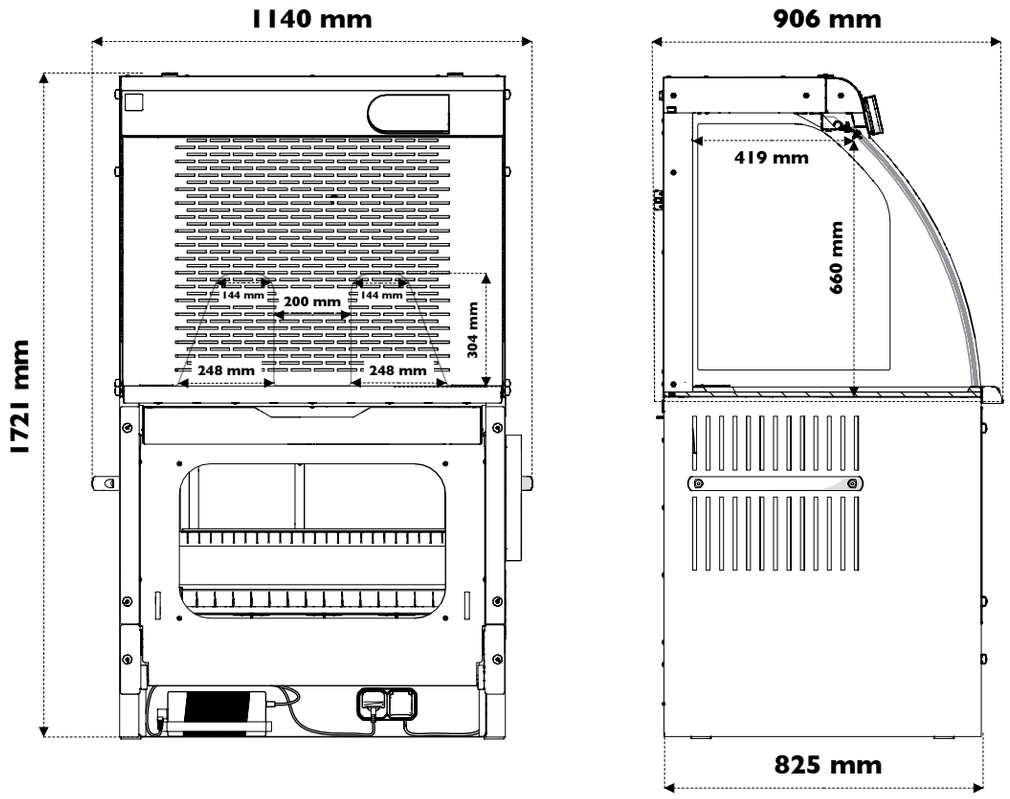
erlab
You can breathe.

# Product datasheet

## Captair 391 Smart

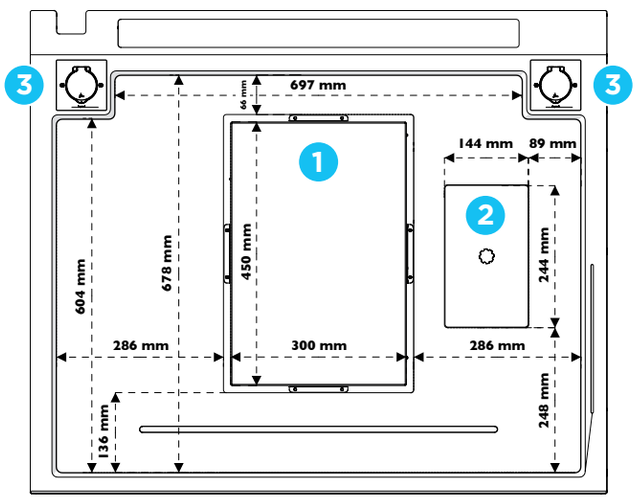
Secure weighing station






## Work surface with built-in spill tray

### Trespa® Top Lab[PLUS]




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

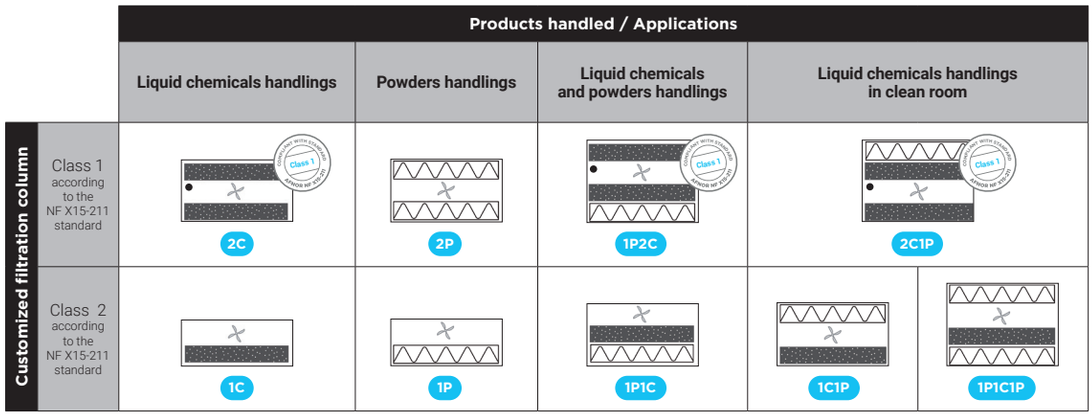
## Fixed work bench

# Captair 391 Smart

Secure weighing station

FILTRATION TECHNOLOGY erlab Above

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<br>DIN 12 927: Germany – EN 1822: 1998 (HEPA H14 Filter) – EU Marking |
| **Air flow** | 220m³/h (Carbon Filter) – 300m³/h (HEPA Filter) |
| **Air face velocity** | 0.4 to 0.6m/s |
| **Voltage/Frequency** | 110-230V/50-60Hz |
| **Power consumption** | Max. 2300W (with 2 sockets inside) |
| **Sash opening** | Oblong (Carbon Filter) or Trapezoidal (HEPA Filter) |
| **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 adaptable filtration column (with BIBO* secure filtration unit) |
| **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 / Air face velocity inficator |
| **Chemical Listing** | List of 700+ approved chemicals compliant with AFNOR NF X15-211 filtration standards |
| **Ceiling lighting** | ON/OFF light button |
| **Work surface** | Trespa® Top Lab$^{PLUS}$ |
| **Bench** | Mobile (installation) and Fixed (with anti-vibration rubber-tyred wheels) |

## Options

| | |
|---|---|
| **Molecode** | Detection sensor: Type A, for Acids / Type F, for Formaldehyde / Type S, for Solvents |

*BIBO: Bag In Bag Out system.

*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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