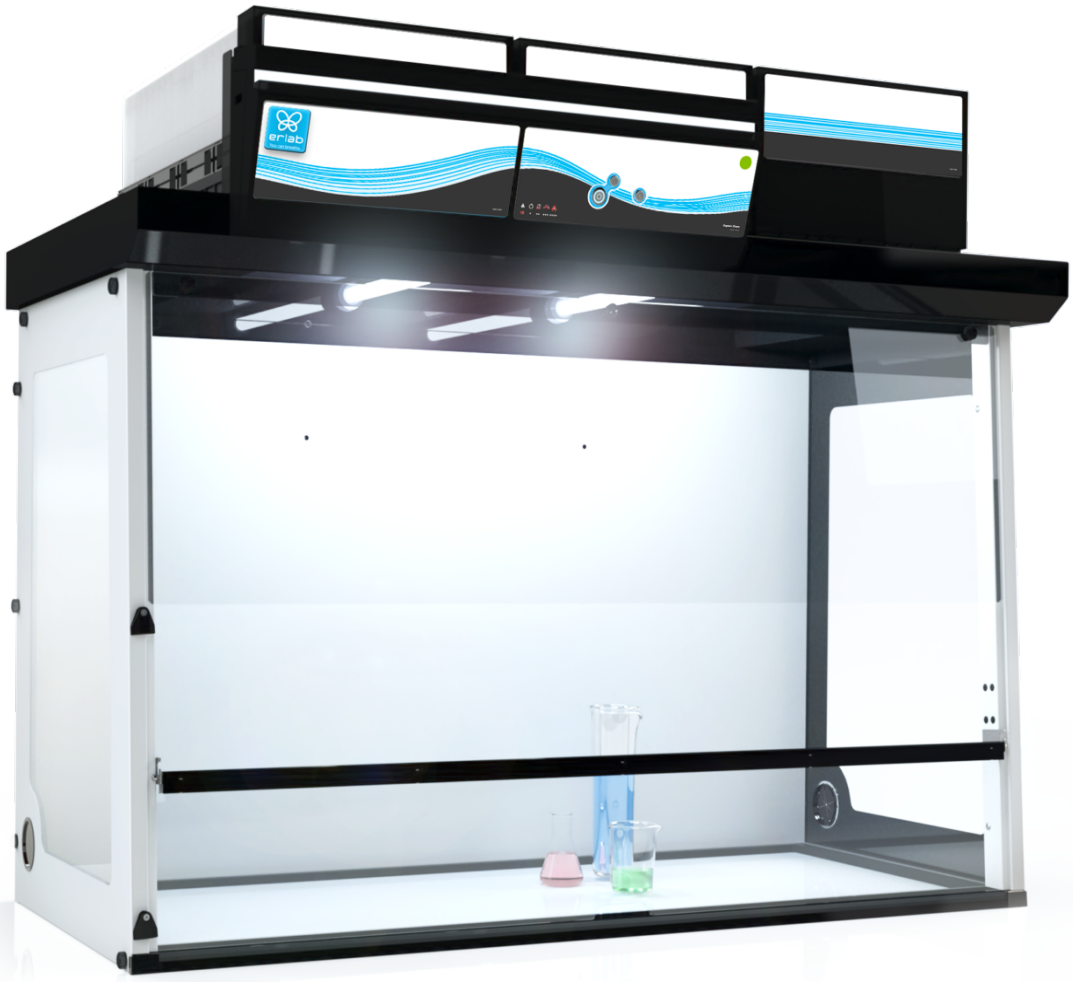
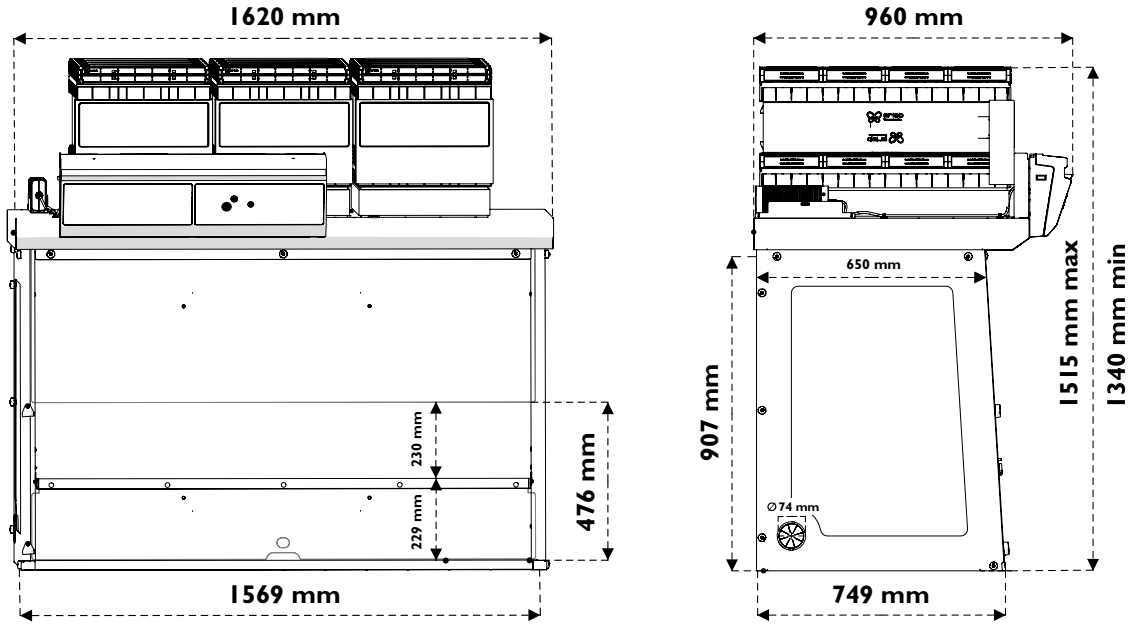
erlab
You can breathe.

# Product datasheet

## Captair 633 Smart

Ductless filtering fume hoods



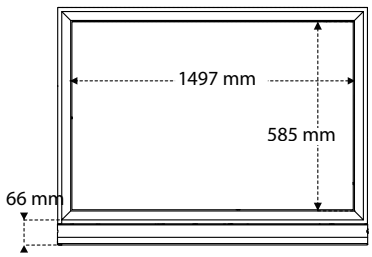



| Heights according to the filtration column configuration | |
|---|---|
| **Type 1C or 1P** | 1340mm |
| **Type 2C or 1P1C or 1C1P** | 1435mm |
| **Type 1P2C or 1P1C1P** | 1515mm |

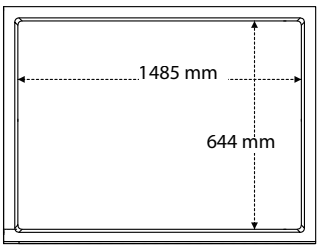
*Please add 150mm between the last filter and the ceiling to allow a good air recirculation and to replace filters easily.*

## Work surfaces with built-in spill tray

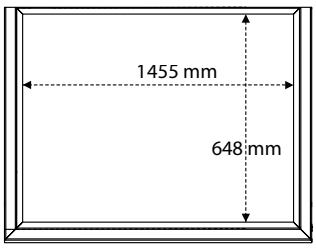
**Tempered glass**
**Retention volume (11L)**



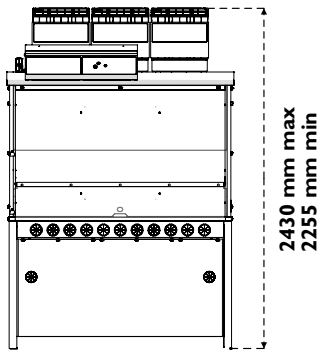

**Trespa® Top Lab$^{PLUS}$**
**Retention volume (10L)**




**304L stainless steel**
**Retention volume (24L)**




## Benchcap: Fixed work bench

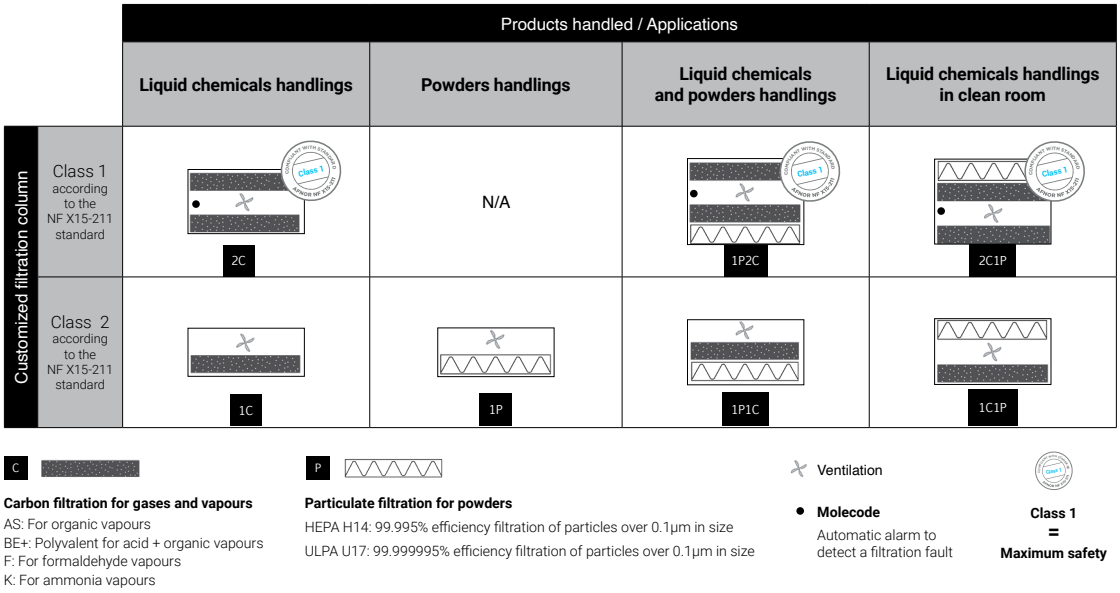


# Captair 633 Smart

Ductless filtering fume hoods

FILTRATION TECHNOLOGY erlab Above

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




| | |
|---|---|
| **Safety standards** | AFNOR NF X15-211: 2009: France – BS 7989: England<br>DIN 12 927: Germany – EN 1822: 1998 (HEPA H14 & ULPA U17 Filters) – EU Marking |
| **Air flow** | 660m³/h – 135CFM |
| **Air face velocity** | 0.4 to 0.6m/s – 79fpm to 118fpm |
| **Voltage/Frequency** | 110-230V/50-60Hz |
| **Power consumption** | 160W |
| **Sash opening** | Reverso sash or 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** | 3 columns 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 / 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** | Fixed (Benchcap) |
| **Bench equipment** | Technical gases outlets, water outlets, front control valves, sink, power sockets<br>(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 |

*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.

Captair_Smart_633_V.09_Wifi_2024_10 – ERLAB France – Technical data are not contractual. ERLAB reserves the right to modify the present document without prior notice.

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