



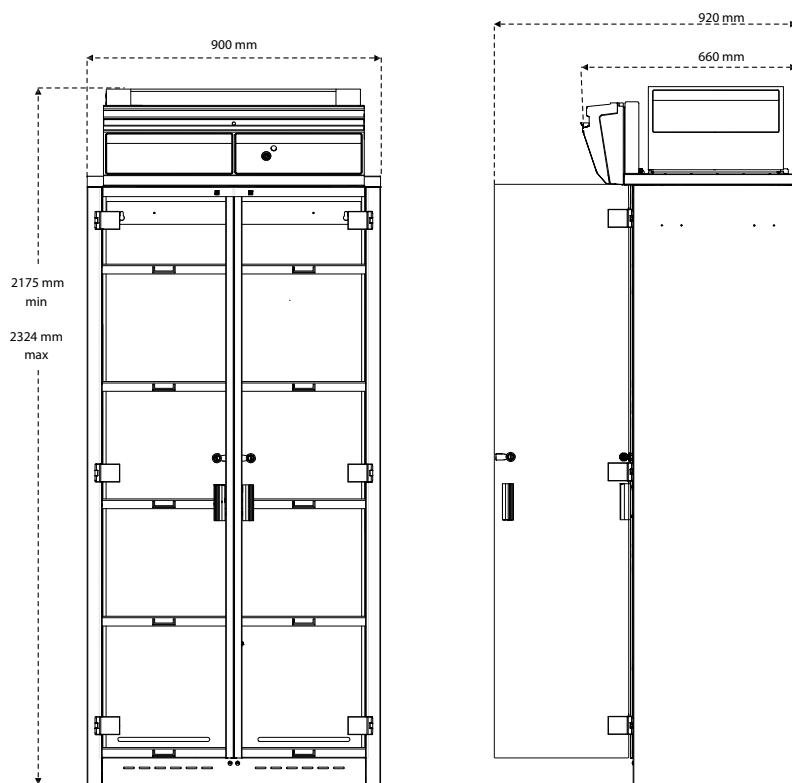
## Product datasheet

### Captair 834 Smart

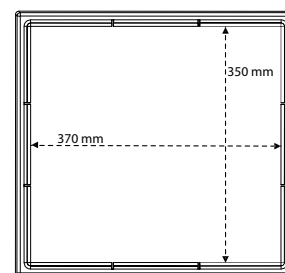
Ductless filtering chemical storage cabinets



## Option 1 Swing doors with shelves

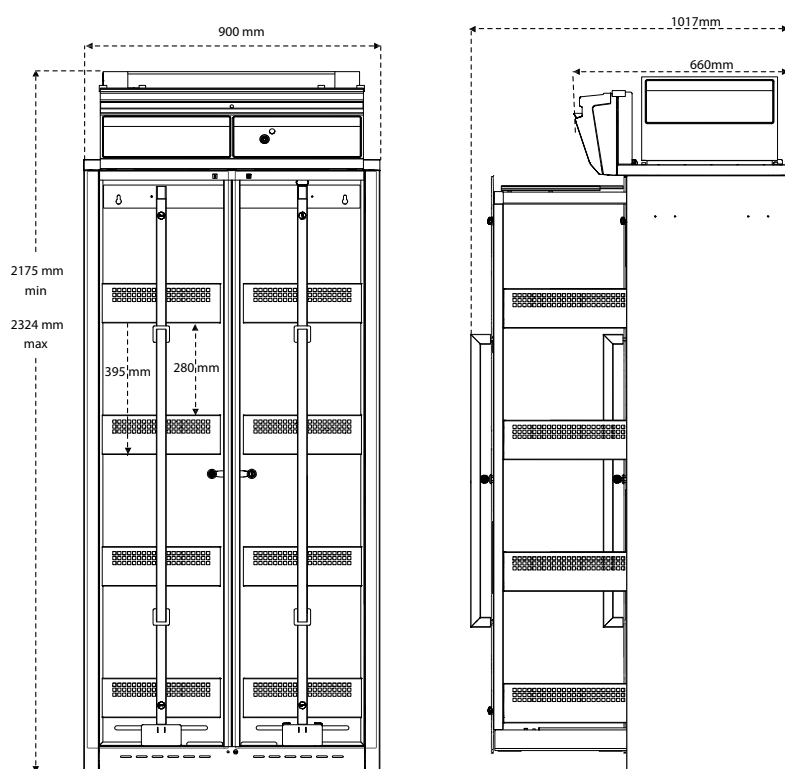


### Shelf with built-in spill retention tray

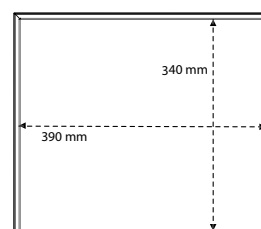


Shelf adjustable every 100mm

## Option 2 Pull-out doors with storage trays

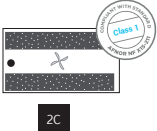
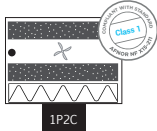
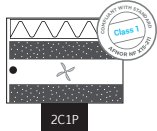
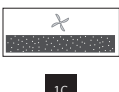
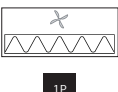
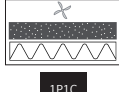
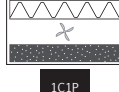






### Storage with built-in spill retention tray





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		N/A		
	Class 2 according to the NF X15-211 standard				
		<b>C</b>  <b>Carbon filtration for gases and vapours</b> AS: For organic vapours BE+: Polyvalent for acid + organic vapours F: For formaldehyde vapours K: For ammonia vapours	<b>P</b>  <b>Particulate filtration for powders</b> 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	 Ventilation <b>Molecode</b> Automatic alarm to detect a filtration fault	 <b>Class 1</b> = <b>Maximum safety</b>

<b>Safety standards</b>	Filtration performances tested according to the AFNOR NF X15-211: 2009 standard: France EN 1822: 1998 (HEPA H14 & ULPA U17 Filters) – EU Marking
<b>Air flow</b>	220m³/h / 129CFM
<b>Voltage/Frequency</b>	110-230V/50-60Hz
<b>Power consumption</b>	45W
<b>Structure</b>	Corrosion resistant electro-galvanized steel coated with antiacid polymer
<b>Doors</b>	Clear, chemical resistant acrylic for easy viewing
<b>Filtration module</b>	Polypropylene

## Features

<b>Communication interface</b>	When the light is pulsing: Door(s) left open – Containment is compromised – Filter breakthrough
<b>Filtration technology</b>	1 column that can be configured to handle liquids, powders, or both
<b>Carbon filtration for gases and vapours</b>	Depending on the filtration column configuration (see above)
<b>Particulate filtration for powders</b>	Depending on the filtration column configuration (see above)
<b>Monitoring</b>	Real-time control of security settings
<b>Monitoring of ambient storage conditions</b>	Temperature (T°) / Hygrometry (RH) sensors
<b>Doors sensors</b>	Alarm if doors are left open
<b>Chemical listing</b>	List of 700+ approved chemicals compliant with AFNOR NF X15-211 filtration standards

## Configurations de rangement

	Option 1 - Double doors with shelves	Option 2 - Pull-out doors with storage trays
<b>Storage capacities</b>	120x1L bottles	100x1L bottles
<b>Storage compartments</b>	2	2
<b>Delivered with</b>	10 adjustable shelves with integrated retention tray	8 fixed trays
<b>Absorbing mats</b>	2	8
<b>Lock</b>	Key lock	

## Options

<b>Molecode</b>	Detection sensor: Type A, for acids / Type F, for formaldehyde / Type S, for solvents
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# 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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