



# Captair 834 Smart

Ductless filtering chemical storage cabinets

## Safer to operate

- Exclusive Erlab filtration technology
- Filtration performances tested in accordance with AFNOR NF X 15 211
- Secured storage
- Real time sensors to detect main filter saturation with solvents, acids or formaldehyde
- Erlab Safety Program: be guided for the right choice of your secured storage solutions
- Connect with eGuard™ for real-time status, notifications and alerts

## Simpler to use with Smart-Light™

With Smart-Light, you can easily see that the storage cabinet is operating safely.

Should the light pulse, you are notified that:

- Containment has been compromised or,
- The filter has breakthrough or,
- There is a fan failure

## Flexibility

- 2 possible configurations:
  - Swing doors and shelves
  - Pull-out doors with storage trays

## Savings

- No ductwork needed
- Low annual energy cost
- Low replacement filter cost

## Environment

- Pollutants filtered at the source



You get the highest level of filtration performance



Smart-Light keeps you safe



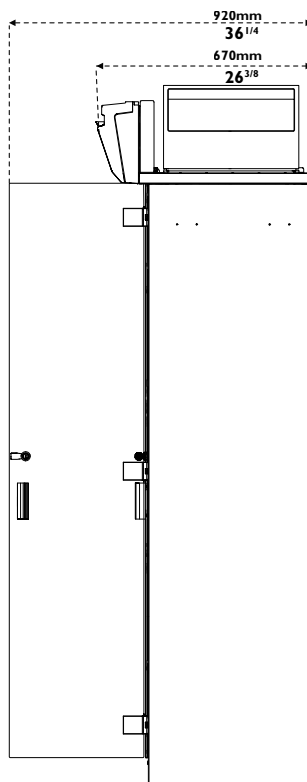
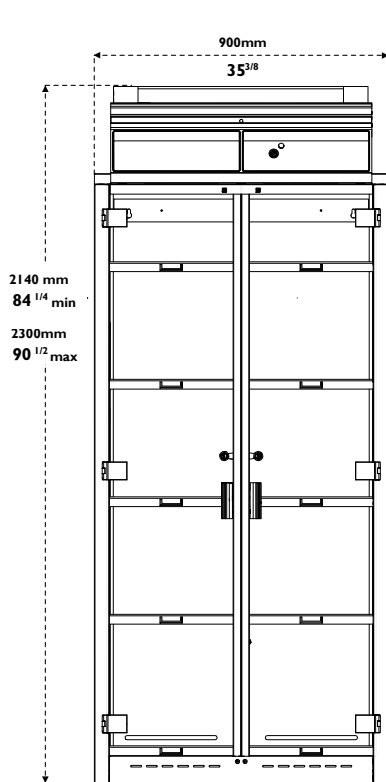
Connect your equipment and download the eGuard App for remote access



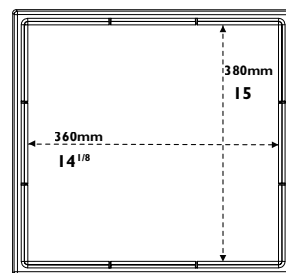
Download our eGuard application



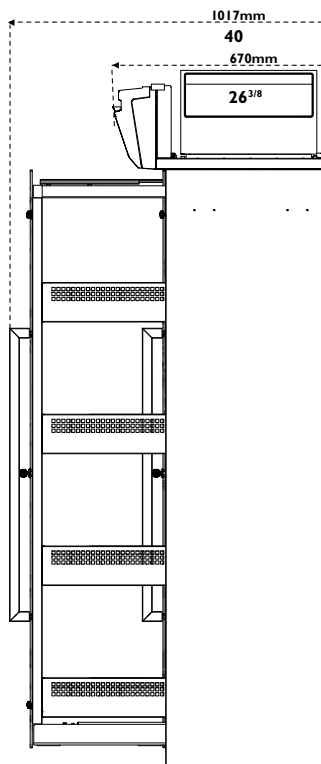
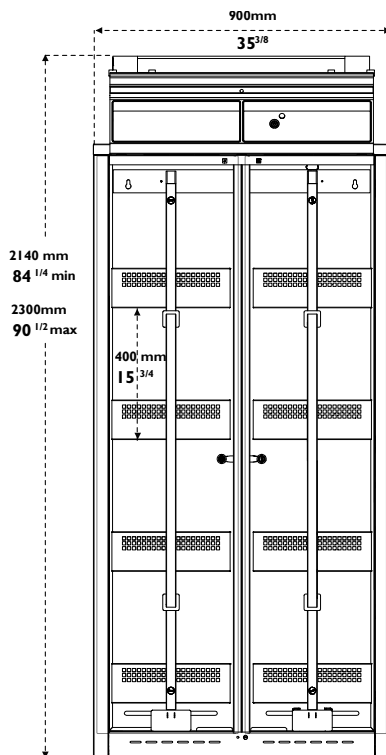
## Option 1 – Swing doors with shelves



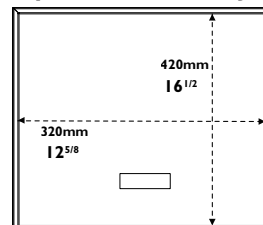
**Shelf with built-in spill retention tray**



## Option 2 – Pull-out doors with storage trays



**Storage with built-in spill retention tray**





Designed with you in mind: our filtration column can be configured for your specific application requirements

		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 X 15-211		NA		
	Class 2 according to the NF X 15-211				



**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 0.1 µm in size  
ULPA U17: 99.999995 % efficiency filtration of particles over 0.1 µm in size



Ventilation

- **Molecode**  
Automatic alarm to detect filter saturation

<b>Safety Standards</b>	Filtration performances tested according to the AFNOR NF X 15-211:2009 standard : France EN 1822 : 1998 (HEPA H14 & ULPA U17 Filters) - CE Marking
<b>Air Flow</b>	220 m3/h / 129 CFM
<b>Voltage/Frequency</b>	80 - 220 V / 50-60 Hz
<b>Power consumption</b>	45 W
<b>Structure</b>	Corrosion resistant electro-galvanized steel coated with anti-acid polymer
<b>Doors</b>	Clear, chemical resistant acrylic for easy viewing
<b>Filtration Module</b>	Polypropylene

## Features

<b>Smart-Light</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 vapors</b>	Depending on the filtration column configuration (see above)
<b>Particulate filtration for powders</b>	Depending on the filtration column configuration (see above)
<b>eGuard app (Android or iOS)</b>	For remote control to monitor the status of the storage cabinet, change the settings, and deliver safety alerts immediately to your devices (mobile, tablet and PC)
<b>Doors sensors</b>	Alarm if doors are left open
<b>Chemical Listing</b>	List of most commonly used chemicals (NIOSH) and their retention capacity by our filters

## Storage configurations

	Option 1 – Swing doors with shelves	Option 2 – Pull-out doors with storage trays
<b>Storage capacities</b>	120 x 1L bottles	100 x 1L bottles
<b>Storage compartments</b>	2	2
<b>Delivered with</b>	10 adjustable shelves with built-in spill retention tray	8 fixed trays
<b>Absorbing mats</b>	2	8
<b>Lock</b>	Key lock	

## Options

<b>Molécode</b>	Detection sensor: Type S, for solvents / Type A, for acids / Type F, for formaldehydes
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Erlab's state of the art Research & Development Laboratory relying exclusively on filtration

#### North America

+1 800-964-4434 | [captairsales@erlab.com](mailto:captairsales@erlab.com)

#### China

+86 (0) 512 5781 4085 | [sales.china@erlab.com.cn](mailto:sales.china@erlab.com.cn)

#### France

+33 (0) 2 32 09 55 80 | [ventes@erlab.net](mailto:ventes@erlab.net)

#### Germany

0800 330 47 31 | [verkauf@erlab.net](mailto:verkauf@erlab.net)

#### Italy

+39 (0) 2 89 00 771 | [vendite@erlab.net](mailto:vendite@erlab.net)

#### Malaysia

+60 (0) 7 3 555 724 | [erlab@tm.net.my](mailto:erlab@tm.net.my)

#### Spain

+34 93 673 24 74 | [ventas@erlab.net](mailto:ventas@erlab.net)

#### United Kingdom

+44 (0) 1722 341 940 | [salesuk@erlab.net](mailto:salesuk@erlab.net)

[www.erlab.com](http://www.erlab.com)

## About Erlab

### We provide safety, we protect your health

Erlab invented the ductless fume hood in 1968. With more than 45 years of experience in the field of chemical filtration and protection of laboratory personnel; we know the formula for safety. With Erlab, you will never have to wonder or worry if our products are safe. We build each one of the following 7 ingredients into our products, and without all of them, your health and safety will be compromised.

#### 1 Erlab R&D Laboratory

The engineers and chemists in our state-of-the-art R&D laboratory understand molecular filtration. We are committed to designing products that are safe and of the highest quality, strive to improve our products, and continuously develop new products that provide greater protection in the laboratory.

#### 2 Strict Safety Standards

We hold ourselves to the highest standard and adhere to the strict AFNOR NF X 15-211: 2009 filtration safety standard as endorsed by ANSI Z9.5-2012.

#### 3 A Published Chemical Listing

It all begins here. Without this listing, we are not compliant with AFNOR NFX 15-211. Our in-house laboratory tests, as well as independent testing to verify the retention capacity of over 700 chemicals for our filters.

#### 4 Independent Testing

Erlab filters have been independently tested multiple times at various concentrations guaranteeing that our safety solutions all adhere to the strict performance criteria of the AFNOR NF X 15-211:2009 standard assuring that the emission concentration at the filter exhaust will always be lower than 1% of the TLV.

#### 5 Application Questionnaire (Valiquest)

Our laboratory specialists will recommend the appropriate filtration fume hood, type of filter, and personalized advice.

#### 6 Certificate of Validation for the chemicals used in the hood

A certified PhD chemist issues a Certificate of Validation with a list of the chemicals approved for use in the hood.

#### 7 Our Safety Program

We back up our products 100%. This program includes your specialized chemical evaluation, validation of your hood upon installation, and a filtration safety specialist at your service to ensure that your hood is operating to its full potential.