



## Captair 1634 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
- Connected device allowing reception of safety notifications and use status

### Simpler to use

Real time status communication by light and sound pulses:

- Door left open
- Main filter saturation
- Fan failure

### Flexibility

- 2 possible configurations:
  - Double doors and shelves
  - Pull-out doors with storage trays
- Easy and fast relocation

### Savings

- No ductwork cost
- Annual energy cost < 100 €
- Low replacement filter cost

### Environment

- Pollutants filtered at source



Ask for the  
highest level of  
filtration  
performances



Powerful light  
guided  
communication



Connect your equipment  
and benefit from the  
remote access thanks to  
our mobile solutions



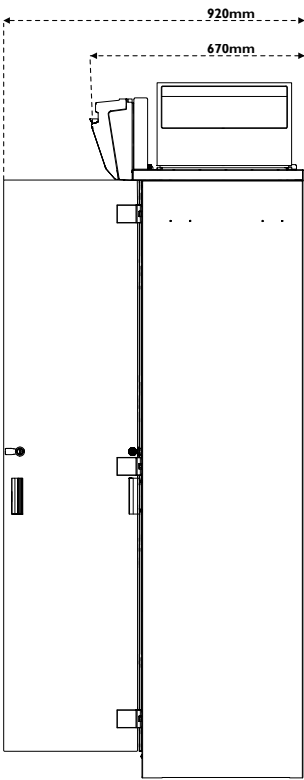
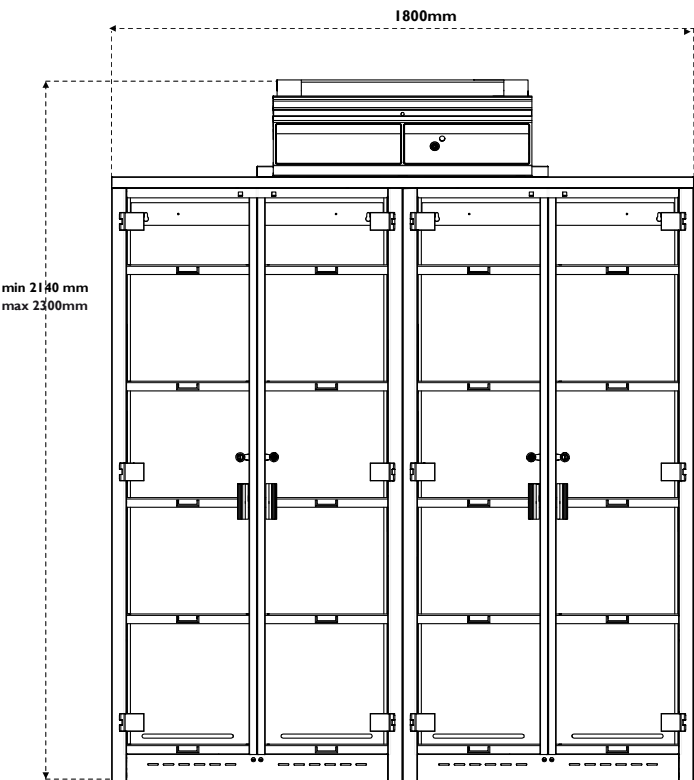
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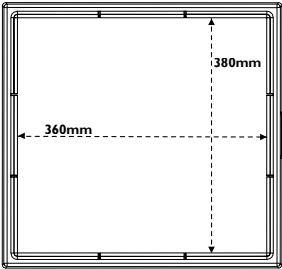
# Captair 1634 Smart

Ductless filtering chemical storage cabinets

## Version 1 – Double doors with shelves

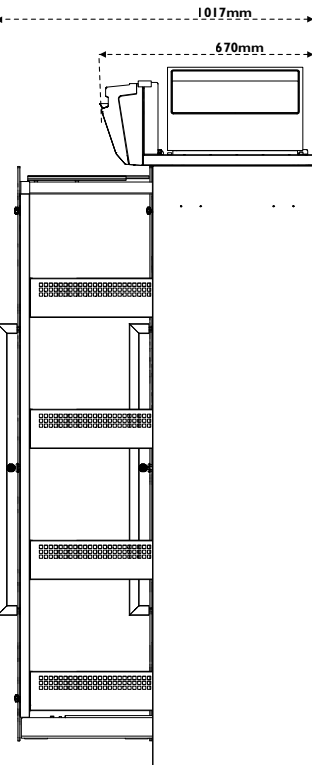
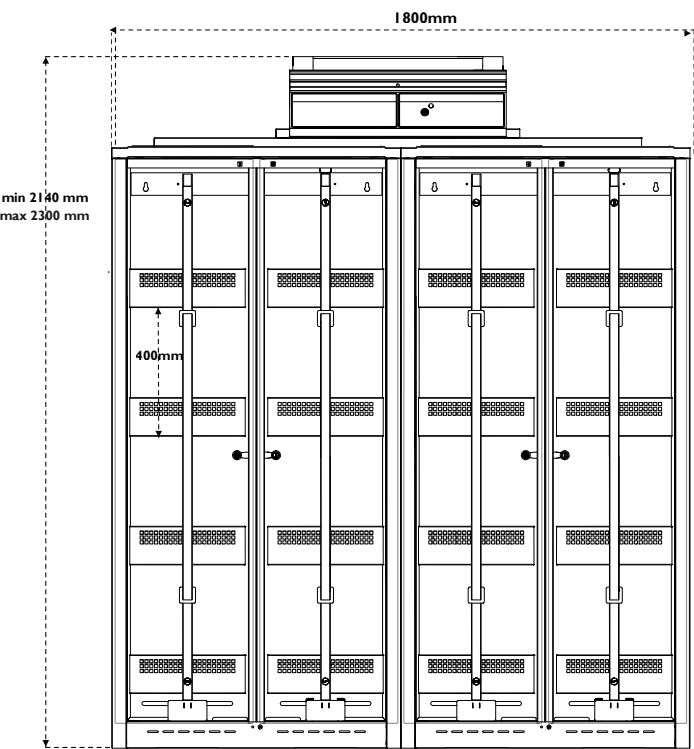


### Shelf with integrated retention tray

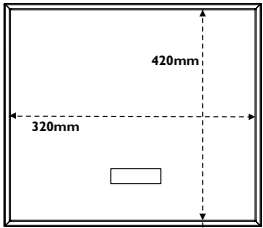


Storage capacity:  
240 x 1L bottles

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






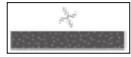



### Storage and retention tray



Storage capacity:  
200 x 1L bottles



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 I according to the NF X 15-211	 <b>2C</b> Maximum protection	NA	 <b>1P2C</b> Maximum protection	 <b>2C1P</b> Maximum protection
	Class 2 according to the NF X 15-211	 <b>1C</b>	 <b>1P</b>	 <b>1P1C</b>	 <b>1C1P</b>

#### Available filters :



#### 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

Safety Standards	Filtration performances tested according to the AFNOR NF X 15-211:2009 standard : France EN 1822 : 1998 (HEPA H14 & ULPA U17 Filters) - CE Marking
Air Flow	220 m³/h
Voltage/Frequency	80 - 220 V / 50-60 Hz
Power consumption	75 W
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer
Doors	Clear, chemical resistant acrylic for easy viewing
Filtration Module	Polypropylene

## Equipments

Communication interface	Audible and visible alarms by light pulses (LED) in case of: -Door(s) left open -Ventilation problem -Filters saturation (Molecode)
Filtration technology	1 column that can be configured to handle liquids, powders, or both
Carbon filtration for gases and vapours	Following filtration column configuration (see above)
Particulate filtration for powders	Following filtration column configuration (see above)
eGuard	App for remote control to monitor the hood, change the settings, and deliver safety alert immediately to your devices (mobile, tablet and PC)
Doors sensors	Alarm if doors are left open
Chemical Listing	List of approved chemicals

## Storage configurations

	Version 1 – Double doors with shelves	Version 2: Pull-out doors with storage trays
Storage capacities	240 x 1L bottles	200 x 1L bottles
Storage compartments	4	4
Delivered with	20 movable shelves with integrated retention tray	16 fixed trays
Absorbing mats	4	16
Lock	Key lock	

## Options

Molécodes	Detection sensor for : Type S, for solvents / Type A, for acids / Type F, for formaldehydes
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## Erlab

### **Our mission: guarantee your protection in the lab**

Erlab invented the first filtration fume hood in 1968. 45 years of expertise in chemicals filtration enable us to guarantee your protection throughout the following aspects:

#### **1 R&D laboratory**

A worldwide unique lab as a warrant to Erlab expertise in filtration. Erlab innovates constantly to design highest level of chemical protection technologies.

#### **2 Safety standards**

Our products performances are certified in compliance with the AFNOR NF X 15 211 standard .

#### **3 Independent tests**

Our filtration technology has been tested multiple times by an independent laboratory according to AFNOR NF X 15 211 requirements. Results prove filters efficiency to maintain concentration in recirculated air at lower than 1% of tested chemicals TLV.

#### **4 Chemical listing**

Our unique know-how enable us to communicate on our filters retention capacities over 700 chemicals, following AFNOR NF X 15 211 requirements.

#### **5 Erlab Safety Program**

Our safety program is the warrant of your protection at all stages: any project begins with an application analysis to allow our lab to recommend the suitable solution. All installed equipments are then followed-up to guarantee the highest level of protection over time.

#### **6 Our questionnaire**

Allows our lab specialists to recommend adapted filtration fume hood, filter type and predictive life-time, such as personalised assessment.

#### **7 We make your fume hood uses a commitment**

Our laboratory provides a usage certificate for each fume hood, in compliance with AFNOR NF X 15 211 requirements.

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