erlab
You can breathe.

Thomas Scientific

Product datasheet

CaptairStore 834

Ductless filtering chemical storage cabinet

Safer to operate

- Exclusive Erlab filtration technology
- Filtration performances tested in accordance with AFNOR NF X 15 211
- Secured storage
- Filtration failure sensors for solvents, acids or formaldehyde
- Erlab Safety Program: be guided for the right choice of your secured storage solutions
-

Simpler to use

With Smart Technology (optional), you can easily see that the hood 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:
  Double doors and shelves
  Pull-out doors with storage trays

Savings

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

Environment

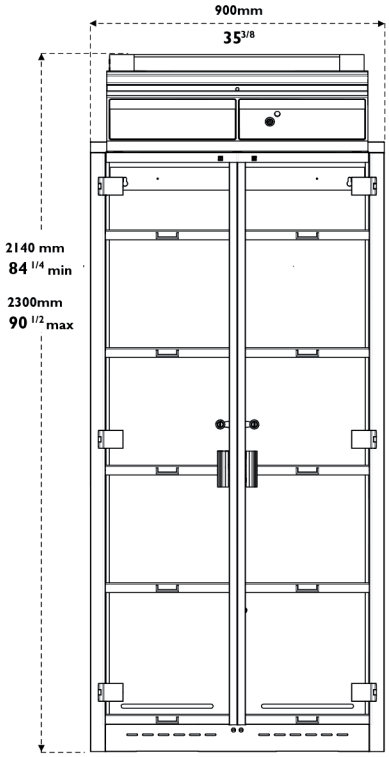
- Pollutants filtered at the source

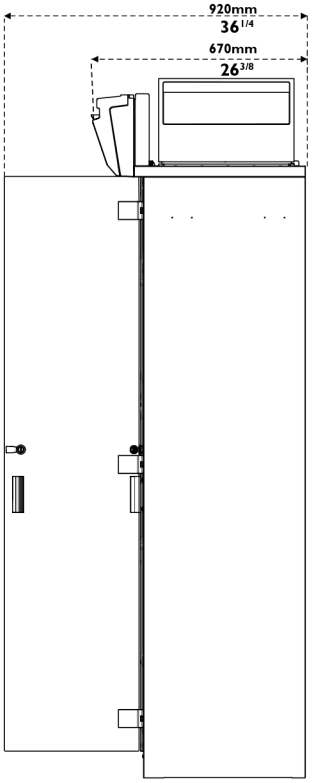
Ask for the highest level of filtration performances

FILTRATION TECHNOLOGY
erlab Above

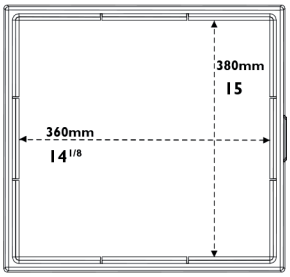
erlab
You can breathe.

Option 1 – Swing doors with shelves

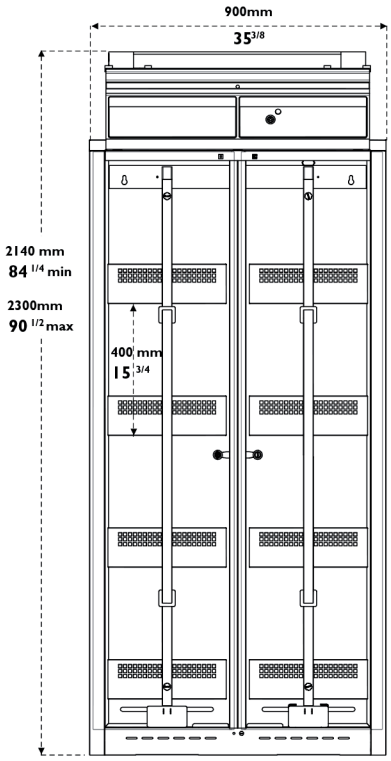


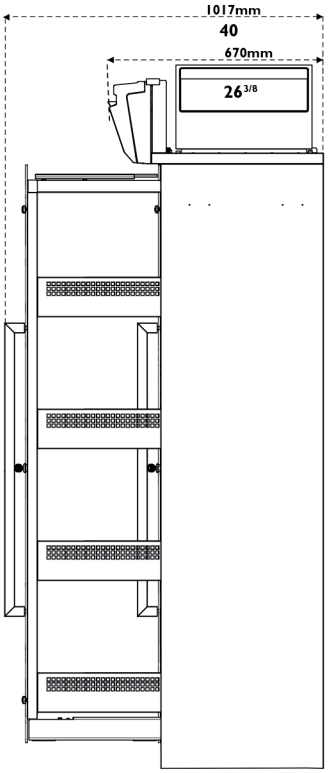


Shelf with built-in spill retention tray

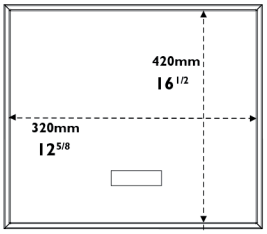


Option 2 – Pull-out doors with storage trays





Storage with built-in spill retention tray



Technical specifications

Safety Standards	Filtration performances tested according to the AFNOR NF X 15-211:2009 standard : France EN 1822 : 1998 (HEPA H14) - CE Marking
Air Flow	70 m^3/h
Voltage/Frequency	80 - 220 V / 50-60 Hz
Power consumption	35W
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer
Doors	Clear, chemical resistant acrylic for easy viewing
Filtration Module	Polypropylene

Equipments

Carbon filtration	AS : For organic vapours - BE : acid 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
Chemical Listing	List of approved chemicals

Storage configurations

	Version 1 – Double doors with shelves	Version 2: Pull-out doors with storage trays
Storage capacities	120 x 1L glass bottles	100 x 1L glass bottles
Storage compartments	2	2
Delivered with	10 movable shelves with integrated retention tray	8 fixed trays
Absorbing mats	2	8
Lock	Key lock	

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 X 15-211: 2009 standard

Erlab's filtration technology conforms to the NF X 15-211: 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 program

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.