# Product datasheet

## Captair Chemtrap H402
## Smart & Midcap

Standalone filtration system for fire proof and chemical storage cabinets

**erlab**
You can breathe.

With its 50 years of expertise in research, design, and manufacturing of filtering fume hoods, Erlab presents new Chemtrap filtration box with high-efficiency filtration system, which uses an innovative and straightforward mode of communication called smart technology and make your work simpler and safer.

### Safer to operate

- Exclusive Erlab filtration technology
- Filtration performances tested in accordance with AFNOR NF X 15 211
- Filtration failure sensors for solvents, acids or formaldehyde*
- Connect with eGuardTM for real-time status, notifications and alerts*

### Simpler to use with Smart-LightTM *

With Smart-Light, you can easily see that the hood is operating safely.
Should the light pulse, you are notified that:
- The filter has breakthrough
- There is a fan failure

* Not available on Midcap

**Filtration**
Demand the best filtration quality

**Simple to use**
Easy to install and to replace filters

**Safety**
A powerful communication interface via light pulses and sounds to enhance safety

**Connectivity**
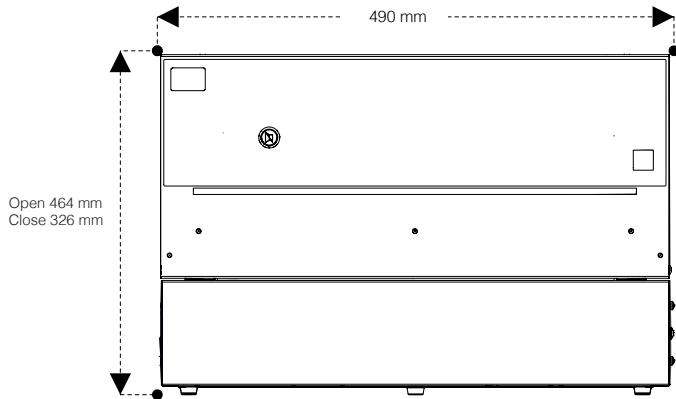Connect your device and monitor its use remotely via our mobile solutions

**Compatibility**
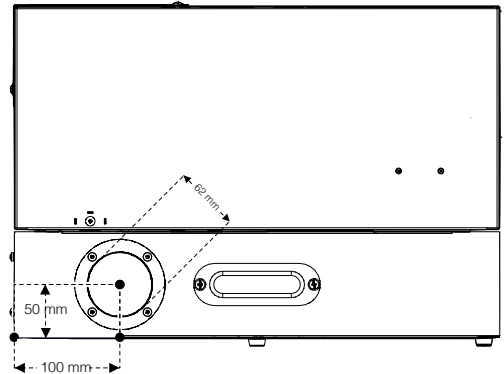Compatible with fire proof and other storage cabinets

COMPLIANT WITH
AFNOR
NF X15-211
FILTRATION STANDARDS*

Dowload our eGuard application

Available on the App Store

ANDROID APP ON Google play

## Front view

490 mm

Open 464 mm
Close 326 mm

## Rear view

62 mm

50 mm

100 mm

**Supplied with 1 metre of flexible connection tube, adaptable connection sleeve and clamp**

| Heights of standalone | |
|---|---|
| Open | 464 mm |
| Close | 326 mm |

## Top view
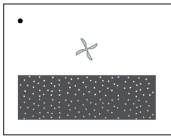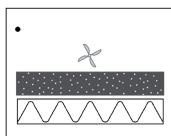## With an outlet on the back

490 mm

468 mm

520 mm
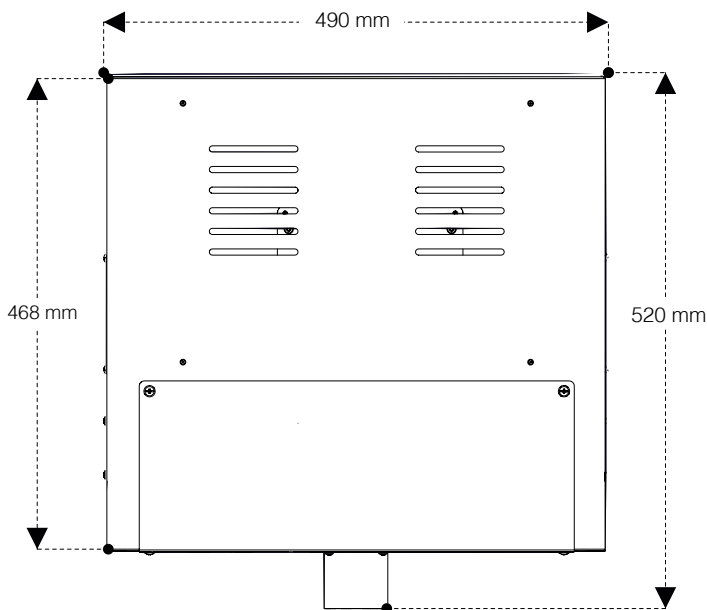
## Top view
## With an outlet on the right or left

542 mm *
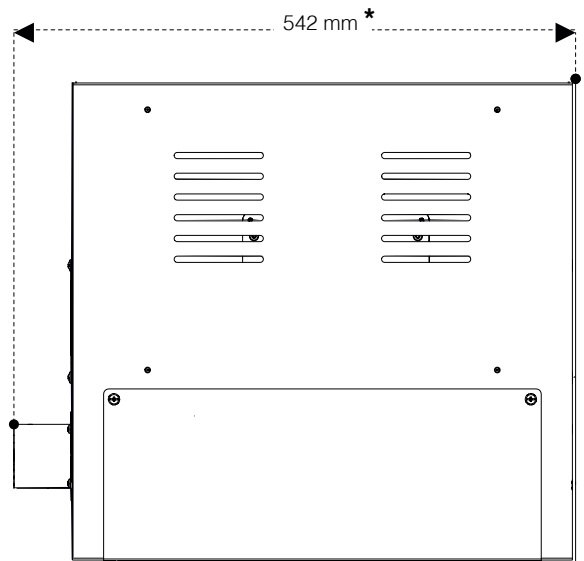
**\* Same dimension with an outlet on the left**

**FILTRATION TECHNOLOGY**

**erlab** Above

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

| Products handled / Applications | |
|---|---|
| **Liquid chemicals handlings** | **Liquid chemicals and powders handlings** |
| 1C | 1P1C |

**Available filters :**

**C** **Carbon filtration for gases and vapors**
AS:For organic vapors
BE+:Polyvalent for acid + organic vapors
F:For formaldehyde vapors
K:For ammonia vapors

**P** **Particulate filtration for powders**
HEPA H14:99.995 % efficiency filtration of particles over 0.1 μm in size

Ventilation

● **Molecode**
Automatic alarm to detect a filtration fault (Optional)

| | |
|---|---|
| **External width (mm / in)** | 482 / 19 |
| **External depth (mm / in)** | 451 / 17$^{3/4}$ |
| **Heights of standalone (mm / in)** | 326 / 12$^{3/8}$ |
| **Air flow (m³/h / CFM)** | 60 m³/h / 35 CFM |
| **Safety Standards** | Filtration performances tested according to the AFNOR NF X 15-211:2009 standard : France EN 1822: 1998 (HEPA H14) - CE Marking EN 61010 |
| **Voltage / Frequency (V/Hz)** | 110 - 230 V / 50 - 60 Hz |
| **Power consumption (Watts)** | 20 |
| **Male collar** | 62 mm |
| **Adaptable connection sleeve and clamp** | ∅ 50 to 100 mm / 2 to 4 in |
| **Flexible connection tube (meter / feet)** | 1 m / 3' 1'' |

## Features

| | |
|---|---|
| **Smart Technology*** | Simple communication by LED pulsation system: fan alarm, optional filter performance alarm |
| **eGuard*** | App for remote control to monitor the chemical storage cabinet, change the settings, and deliver safety salerts immediately to your devices (mobile, tablet and PC) |
| **Connectivity*** | RJ45 cable connection |
| **Chemical Listing** | List of approved chemicals |

## Options

| | |
|---|---|
| **Carbon filtration for gases and vapors** | AS : For organic vapors - BE+ : For organic and acid vapors F : For formaldehyde vapors - K : For ammonia vapors |
| **Particulate filtration for powders** | HEPA H14 : 99.995 % filtration efficiency according EN1822 standard |
| **Optional molecode gas sensors*** | Detection sensor: Type A, for acids / Type F, for formaldehyde / Type S, for solvents |

## Structure

| | |
|---|---|
| **Metallic parts** | Anti-corrosion steel coated with 100% polyester |
| **Filtration module** | Injected polypropylene |

* Not available on Chemtrap Midcap

*Erlab's state of the art Research & Development Laboratory relies exclusively on filtration*

# About Erlab

**We provide safety, we protect your health**

Erlab invented the ductless fume hood in 1968. With more than 50 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.

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**www.erlab.com**

ecosystem