

Product datasheet

ChemTrap H402

Standalone filtration system for fire proof and chemical storage cabinets

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
- Real time sensors to detect main filter saturation with solvents, acids or formaldehyde*
- 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 hood is operating safely.

Should the light pulse, you are notified that:

- The filter has breakthrough
- There is a fan failure



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

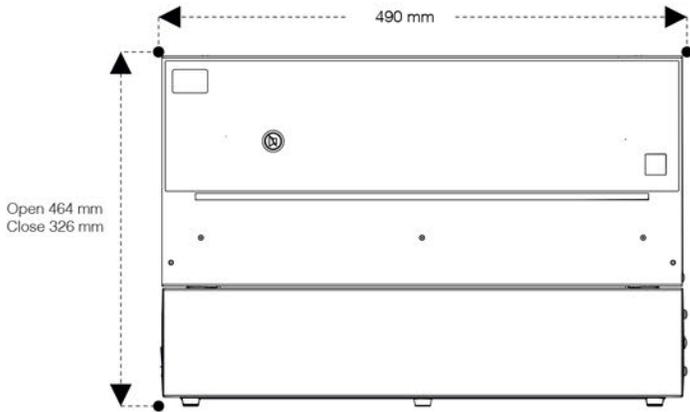


Download our eGuard application*

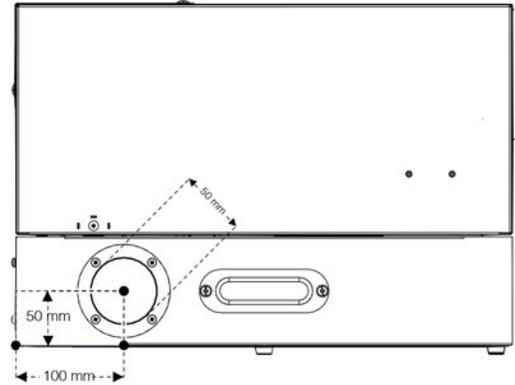


* Not available on Chemtrap Midcap

Front view



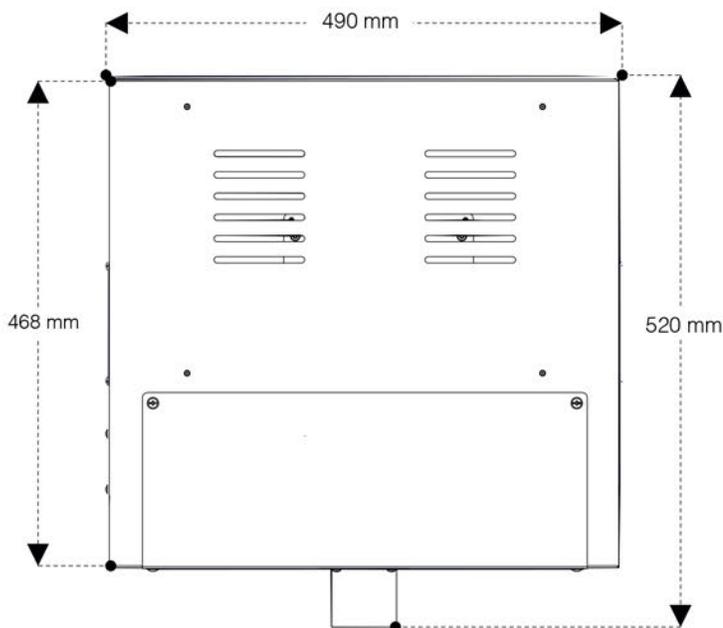
Rear view



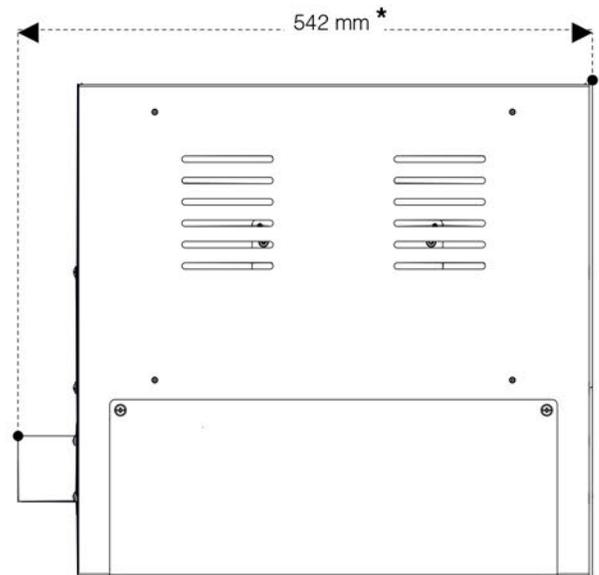
Provided with 1 meter of flexible pipe with adjustable fitting

Heights of standalone	
Open	464 mm
Close	326 mm

Top view
 With an outlet on the back



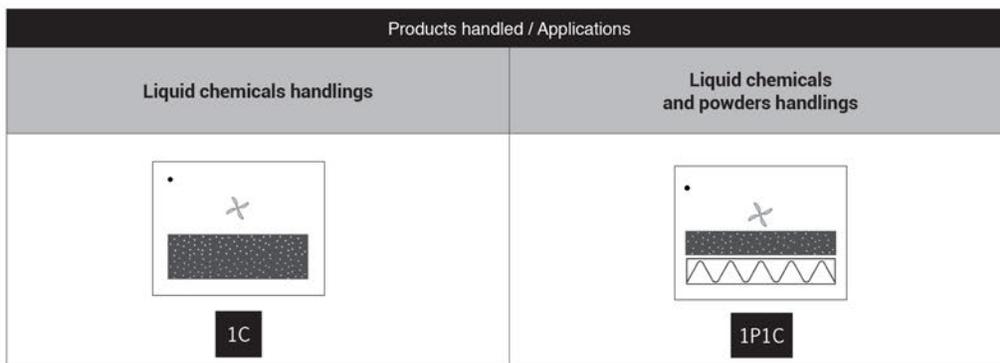
Top view
 With an outlet on the right or left



* Same dimension with an outlet on the left



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



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 filter saturation (Optional)

VWR Part Number	#76640-766
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 (m ³ /h / CFM)	60 m ³ /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
Flexible PVC pipe (meter / feet)	1 m / 3' 1"
PVC fitting	50 to 100 mm / 2 to 4 in

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 alerts 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



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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