Thomas Scientific

erlab
You can breathe.

ChemTrap

Chemical filtration pack for safety cabinets

SAFETY
Guaranteed through validation.

PERFORMANCE
Continuous filtration with advanced molecular filtration adhering to AFNOR NF X 15 211.

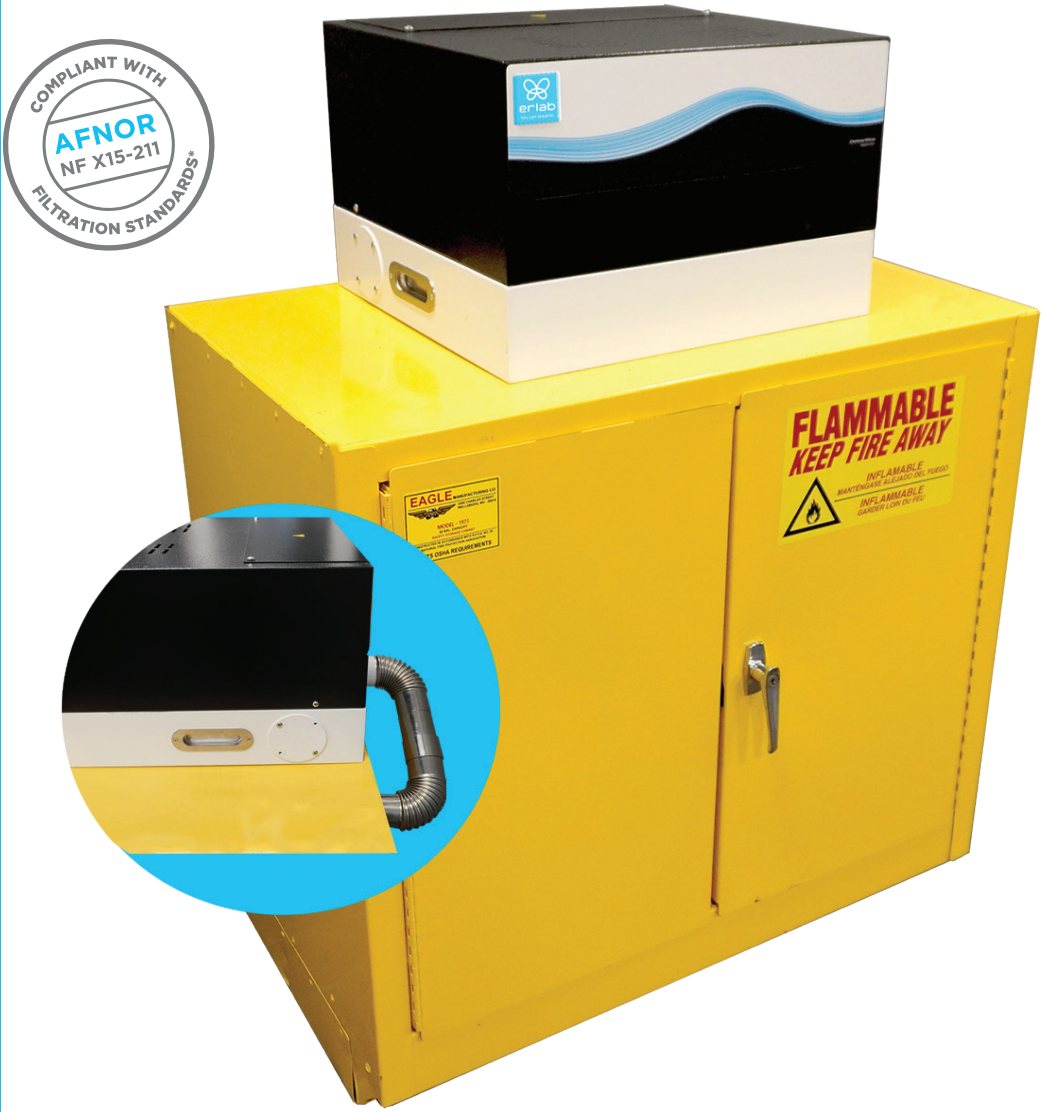
SAVINGS
NO HVAC needed with only a 20 watt power draw.

SIMPLICITY
Out of the box ready. Simply connect to cabinet's bung port and plug it in.

CONNECTIVITY
SMART Technology for real-time monitoring.

Connected solution for fire or acid cabinets to protect against inhalation risks*

COMPLIANT WITH AFNOR NF X15-211 FILTRATION STANDARDS*



* Compatible with fire proof and other storage cabinets
Safety cabinet not provided

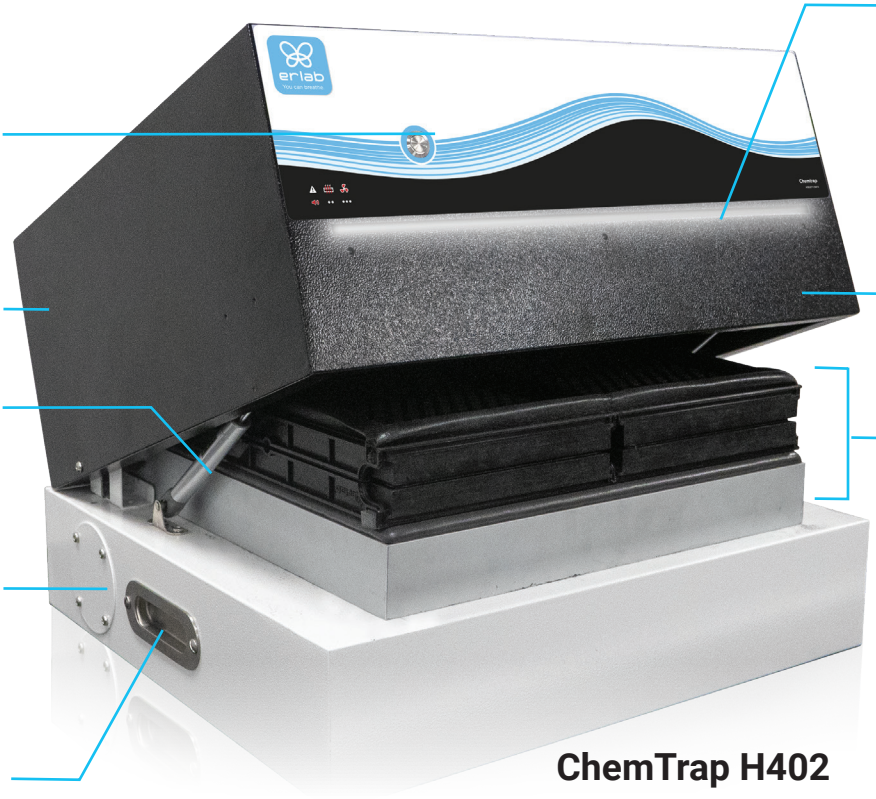
FILTRATION TECHNOLOGY
erlab Above

erlab
You can breathe.

Compatible with fire proof and other storage cabinets
Fast and easy installation, no exhaust required.

Turns any fire proof or chemical storage cabinet into a standalone filtered safety cabinet.

Very low energy consumption
Reduced running costs.



Mute alarm button.

Ethernet port for remote safety monitoring.

Hydraulic pistons for fast filter housing access.

4 possibilities to connect to the storage cabinet: left, right, back (connections with a flexible hose), or direct connection from the bottom

Handles for easy transport and installations.

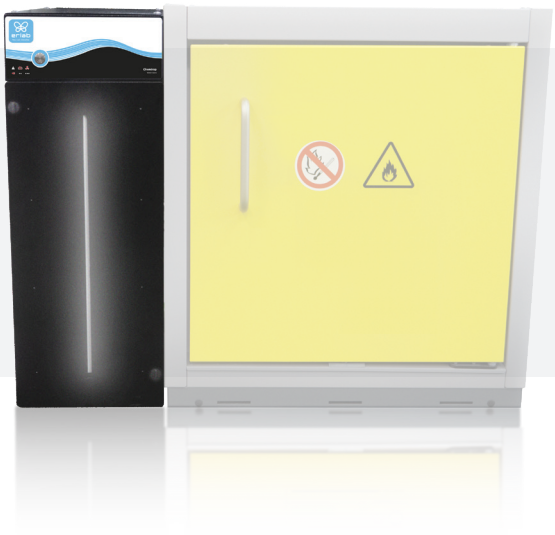
SMART TECHNOLOGY
Simple, intuitive safety communication by light and sound pulsations show the status of the unit.

Automatic filter performance alarm.

Erlab's unique flex filtration technology allows combination of carbon and HEPA filters for filtration of gases and particles.

ChemTrap H402

COMPLIANT WITH AFNOR NF X15-211 FILTRATION STANDARDS*



ChemTrap V201
Also available for underbench safety cabinet.

Download our catalogue on www.erlab.com

ChemTrap

Chemical filtration pack for safety cabinets

Erlab's 50 years of expertise in research, design and manufacturing of filtering fume hoods and chemical storage cabinets guarantee superior filtration that will keep you protected during your laboratory activities.

ChemTrap filters the air from the internal chamber of a storage cabinet, captures noxious fumes right at the source and returns clean air back into the laboratory while contributing to a purer and safer working environment. Designed as a standalone system with no need for ducting, it is equipped with an adjustable flexible hose for an easy connection to the exhaust of your existing cabinet.

Equipped with the highest efficiency filtration system, ChemTrap now integrates an innovative and straightforward mode of communication called Smart Technology. This technology uses simple light and sound alerts to show that the unit is operating safely so you can focus your attention on what is most important: your work.

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.

Compatibility

Compatible with fire proof and other storage cabinets.

Simpler to use

- SMART technology embedded into each Chemtrap filtration unit informs users about their protection using light and sound. Light and sound pulses give real time information about:

•• Filter alarm
••• Fan alarm

Safer to operate

- Erlab's unique filtration system connected to the fire proof or chemical storage cabinet can be adapted to filter gases, chemicals fumes and particles keeping the user and the lab protected by safely and efficiently cleaning the air of the room from hazardous vapors or odors.
- New optional sensors for the monitoring of filter performance can be added for the detection of solvents or acids or formaldehyde.

Specifications

Model description	H 402	V 201
External width (in /mm)	(19) 482	($9^{5/8}$) 245
External depth (in / mm)	($17^{3/4}$) 451	($21^{3/4}$) 554
External height (in / mm)	($12^{3/8}$) 326	($24^{7/8}$) 632
Air flow (m^3/h / CFM)	60 m^3/h / 35 CFM	35 m^3/h - 21 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	110 - 230 V / 50 - 60 Hz
Power consumption (Watts)	20	15
Flexible PVC pipe (feet / meter)	3' 1"/ 1 m	3' 3" / 1 m
PVC fitting	2 to 4 in / 50 to 100 mm	2 to 4 in / 50 to 100 mm

Features

Smart Technology	Simple communication by LED pulsation system: fan alarm, optional filter performance alarm
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

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