erlab

Chemtrap Smart

Standalone filtration system for fire proof
and chemical storage cabinets

Protection from inhalation of noxious chemicals

- Transforms any fire proof or chemical storage cabinet into a standalone filtered storage safety cabinet

- Eliminates noxious vapors released from your fire resistant safety cabinet and improves your safety from inhalation risks

- Continuously cleans the air in your lab

- Simple and intuitive communication by light and sound system

- Easy to install, energy saving, & economical, no ducting needed

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

Chemtrap Smart

Standalone filtration system for chemical storage cabinets

Erlab's innovative technology keeps you safe

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

SMART TECHNOLOGY
Simple, intuitive communication by light shows the status of the unit

Fast and easy installation, no ducting required

Very low energy consumption Reduced running costs

Compatible with fire proof and other storage cabinets

Mute alarm button

Automatic filter performance alarm

Hydraulic pistons for fast filter housing access

Erlab's unique filtration technology allows for the use of carbon and HEPA filters for the filtration of gases and particles

Handles for easy transport and installations

Download eGuard App for remote control and monitoring

Life in the laboratory becomes simpler and safer

Simpler to use *Safer* to operate

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 chemical processes.
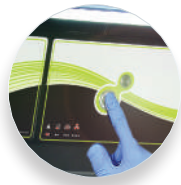
Chemtrap Smart filters the air from the internal chamber of a storage cabinet, captures toxic fumes right at the source and returns clean air back into the laboratory while contributing to a better and safer working environment. Designed as a standalone system with no need for ducting, it is equipped with an adjustable flexible air duct that allows for easy connection points to the side, back or to the top of your existing cabinet.

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

Filtration	Simple to use	Safety	Connectivity	Compatibility
Demand the best filtration quality.	A single activation key. Easy to install and to replace filters.	A powerful communication interface via light pulses and sounds to enhance safety.	Connect your device and monitor its use remotely via our mobile solutions.	Compatible with fire proof and other storage cabinets.

Simpler to use

- SMART technology informs users about their protection using light and sound. Light and sound pulses give real time information about:

  •• Filter alarm
  ••• Fan alarm

- eGuard App gives you remote control to monitor your Chemtrap, change the settings, and delivers safety alerts immediately to your mobile, tablet or PC device.

Safer to operate

- The configurable filtering system above the fire proof or chemical storage cabinet can be adapted to filter gases, solvents, powders and particulates keeping the user and the lab protected by safely and efficiently cleaning the air within the room free of any toxic hazardous vapors or odors.
- New optional sensors can be added for detection of solvents or acids or formaldehyde.

H 402

Model description	H 402
External width (mm / in)	482 / 18,98
External depth (mm / in)	451 / 17,76
External height (mm / in)	315 / 12,40
Air flow (m³/h - CFM)	75 m³/h
Safety Standards	Filtration performances tested according to the AFNOR NF X 15-211:2009 standard : France EN 1822: 1998 (HEPA H14 & ULPA U16 Filters) - CE Marking
Voltage / Frequency (V/Hz)	230 / 50
Power consumption (Watts)	19
Flexible PVC pipe (meter / feet)	1 meter / 3,3 feet (∅ 63 mm)
PVC fitting	∅ 65-75-80-100 mm

Features

Smart Technology	Simple communication by LED pulsation system: fan settings, usage timer, fan alarm, face velocity, automatic 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 MPPS method, EN1822 standard ULPA U16 : 99.99995 % filtration efficiency accordinfg MPPS method, EN1822 standard
Optionnal molecode gas sensors	Detection sensor: Type A, for acids / Detection sensor: Type F, for formaldehydes / Detection sensor: Type S, for solvents

Structure

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

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