erlab
You can breathe.

HALO 25
Smart
Professional Laboratory Grade Air Purifiers

Filtration of Gas, Viral & Bacterial Pollutants

FILTRATION TECHNOLOGY
erlab Above

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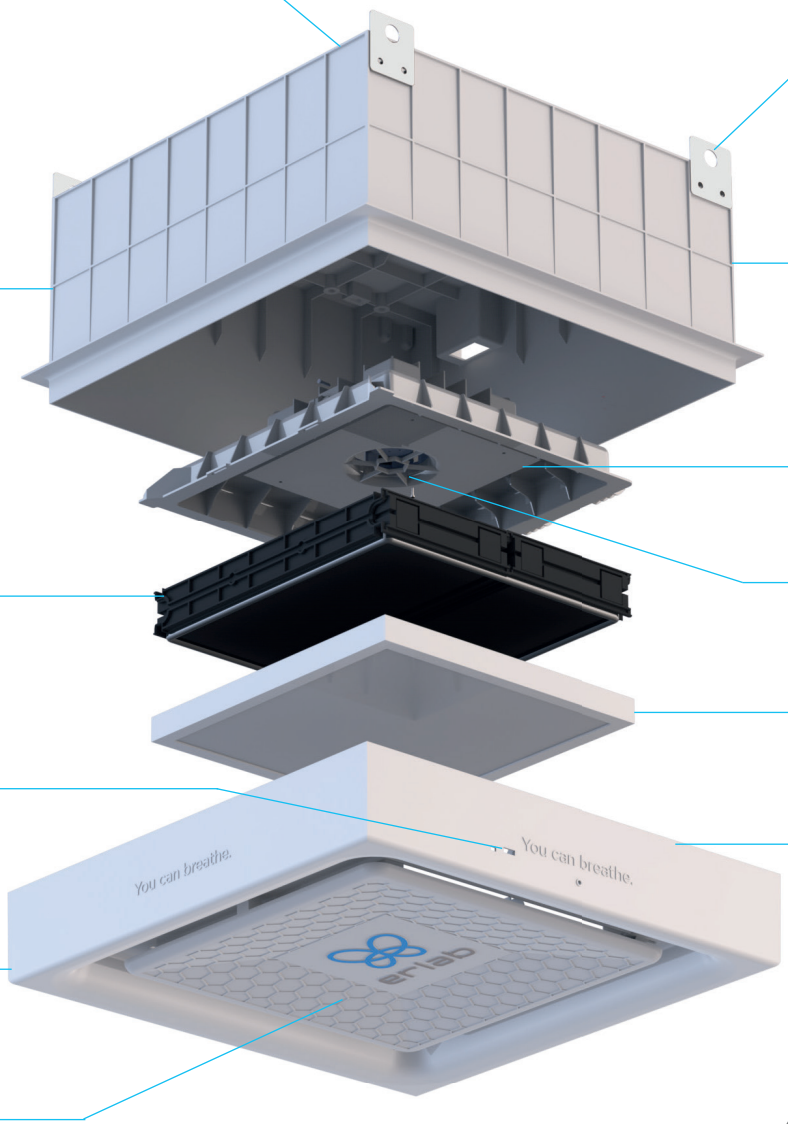
HALO 25 Smart

SMART TECHNOLOGY

Simple intuitive communication by light ring pulsations shows the status of the HALO unit



2 types of fixing :
4 plates or 4 brackets

Ethernet port for remote safety monitoring

Alarm contact for BMS & BAS systems

Particulate post-filter (Molecular or Double-filtration)

Pulse-Width Modulation controlled fan

3 molecular filters possible

Particulate filter H14

Dedicated air quality sensor

Clean air injectors diffuse filtered air evenly back units the room

Easy filter & fan replacement access chamber

Prefilter

COMPLIANT WITH AFNOR NF X15-211 FILTRATION STANDARDS*

COMPLIANT WITH EN 1822 FILTRATION STANDARDS*

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HALO 25 Smart

Filtration of Gas, Viral & Bacterial Pollutants

	Molecular filtration	Particle filtration	Double-filtration (molecular + particulate)
	VOC · Formaldehyde · Chemplus	HEPA	VOC · Formaldehyde · Chemplus HEPA
Internal width	565 mm		
External width	615 mm		
Height	350 mm		
Internal length min-max	min 590 mm - max 664 mm		
External length	615 mm		
Air flow	110 m³/h	150 m³/h	110 m³/h
Safety Standards	Filtration performances tested according to the AFNOR NF X 15-211:2009 standard : France EN 1822 : 1998 (HEPA H14 Filter) - CE Marking EN61010 - RoHS directive		
Voltage / Frequency (V/Hz)	100-240VAC / 50/60Hz		
Power consumption	20W	20W	35W
Operating mode	24/24h - 7/7, Night/Day, Min Max detection, Detection value only		
Ceiling mounted	2 types of mounting : plates or brackets		
Weight (kg)	17,5 kg (filter included)	14,5 kg (filter included)	19 kg (filter included)
Protected volume	22,5m³ or a surface area of 9m² with a ceiling height of 2m50	30m³ or a surface area of 12m² with a ceiling height of 2m50	22,5m³ or a surface area of 9m²with a ceiling height of 2m50

Features

Communication interface	Simple communication by LED pulses: fan settings, usage timer, fan failure, automatic detection of air quality performance				
eGuard®	Remote control to monitor the device, change the settings, and deliver safety alerts immediately.				
Connectivity	RJ45 ethernet cable connection / Wifi				
Air quality performance sensors	Semi-conductor for VOCs	Electro-chemical sensor for For-maldehyde	Semi-conduct or Electro-chemical for a wide array of pollu-tants	Particle sensor	Semiconductor for VOCs / Electro-che-mical sensor for Formaldehyde / Semiconduct or Electro-chemical for a wide array of pollutants / Particle sensor (according to application)
Temp / Humidyt sensor	Optional sensors for detecting indoor temperature and humidity				

Options

Carbon filtration for gases and vapors	AS: For organic vapours - BE: Versatile for acid vapours + organic vapours F: For formaldehyde vapours - K: For ammonia vapours		
Particulate filtration for powders	-	HEPA H14 filtration efficiency: 99.995 % according to MPPS method, EN1822 standard	
Prefilter	Particulate		
Postfilter	Particulate	-	Particulate
Decontamination	Surface decontamination of the particulate filter : UV-C germicidal (254 nm) / Duration adjustable from 5 to 30 minutes		

Structure

Structure	ABS (Acrylonitrile Butadiene Styrene) / Injected polypropylene		
Filtration module	Injected polypropylene	Aluminum	Injected polypropylene / Aluminum

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 programme

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.

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