



## HALO 25

Smart

Professional Laboratory Grade Air Purifiers

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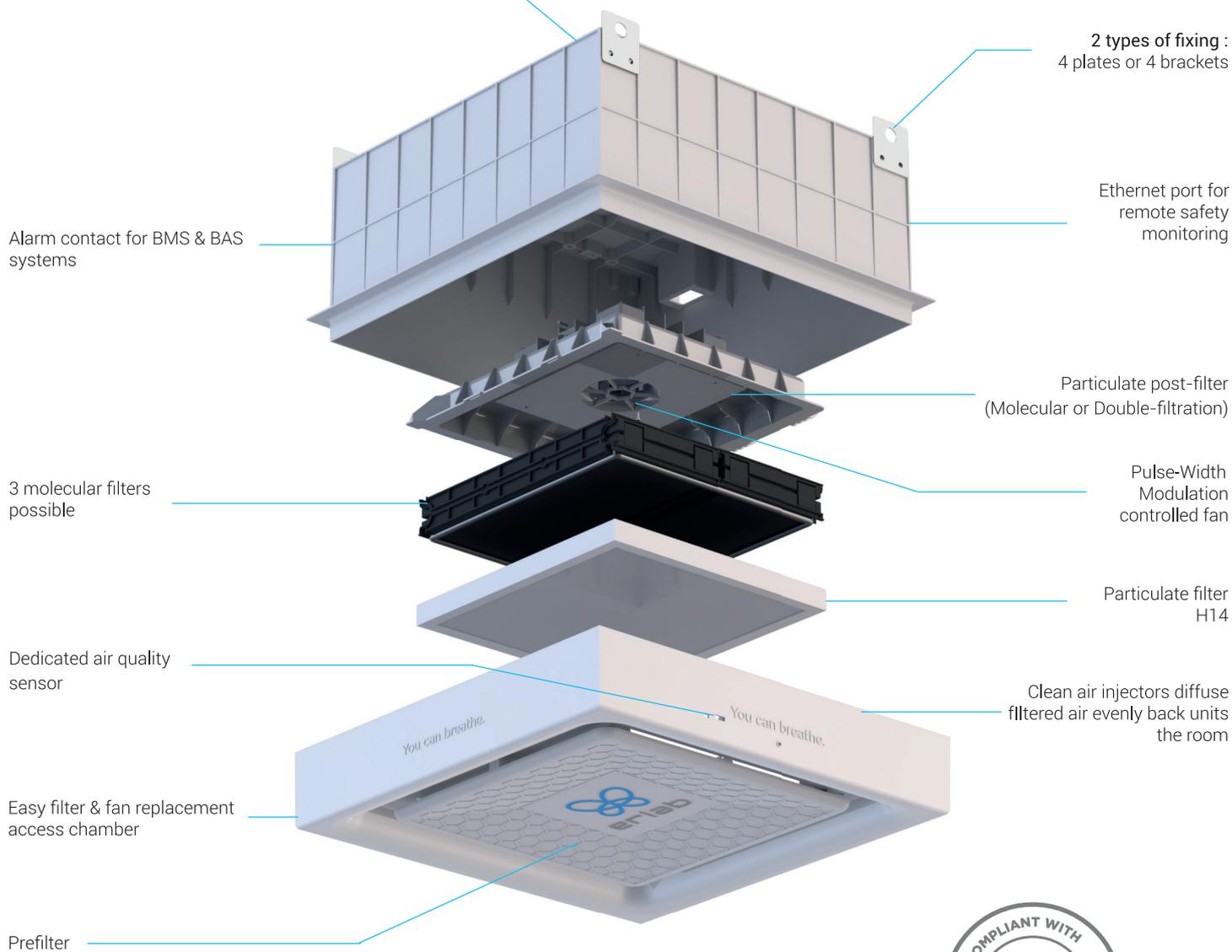
## Filtration of Gas, Viral & Bacterial Pollutants



# HALO 25

## SMART TECHNOLOGY

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



	Molecular filtration			Particle filtration	Double-filtration (molecular + particulate)		
	VOC	Formaldehyde	Chemplus	HEPA	VOC	Formaldehyde	Chemplus
				HEPA	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 m <sup>3</sup> /h		150 m <sup>3</sup> /h		110 m <sup>3</sup> /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)	100-230V - 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	22,5m <sup>3</sup> or a surface area of 9m <sup>2</sup> with a ceiling height of 2m50		30m <sup>3</sup> or a surface area of 12m <sup>2</sup> with a ceiling height of 2m50		22,5m <sup>3</sup> or a surface area of 9m <sup>2</sup> with 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® app	App for remote control to monitor HALO units, change the settings, and deliver safety alerts immediately to your devices (mobile, tablet and PC)						
Connectivity	RJ45 ethernet cable connection / Wifi						
Air quality performance sensors	Semi-conductor for VOCs	Electro-chemical sensor for Formaldehyde	Semi-conduct or Electro-chemical for a wide array of pollutants	Particle sensor		Semiconductor for VOCs / Electro-chemical sensor for Formaldehyde / Semiconduct or Electro-chemical for a wide array of pollutants / Particle sensor (according to application)	
Temp / Humidity sensor	Standard						

## 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		



# About Erlab

The Erlab Research and Development laboratory

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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