



HALO 25 Smart

Filtration of Gas, Viral &
Bacterial Pollutants

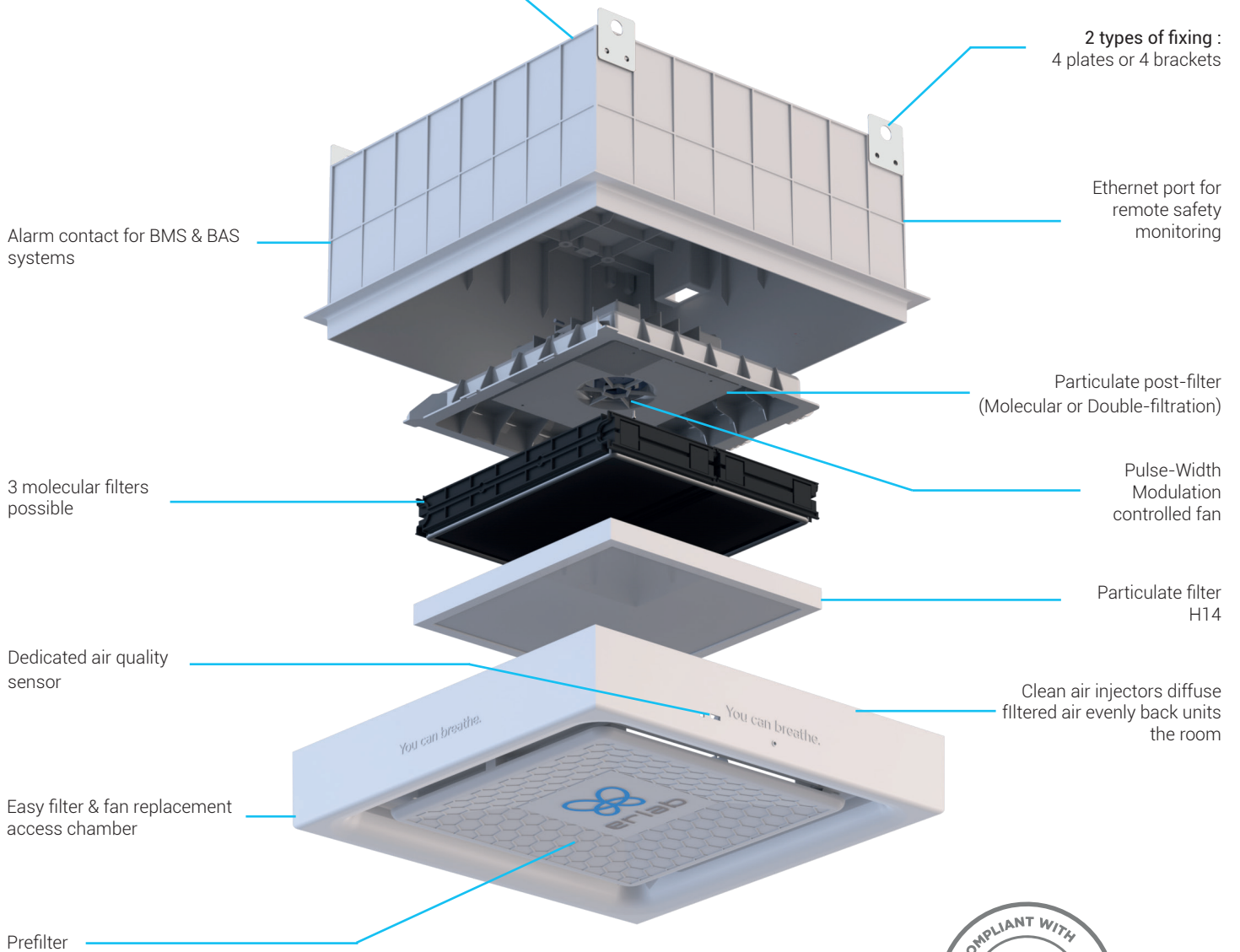
**Standalone high efficiency
air purification system**



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	615,20 mm						
Height	350 mm						
Internal length min-max	min 590 mm - max 664 mm						
External length	615,20 mm						
Air flow	110 m ³ /h			150 m ³ /h		110 m ³ /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 ³ or a surface area of 9m ² with a ceiling height of 2m50			30m ³ or a surface area of 12m ² with a ceiling height of 2m50		22,5m ³ or a surface area of 9m ² 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-conductor 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	



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.

France
+33 (0) 2 32 09 55 80 | ventes@erlab.net

Germany
0800 330 47 31 | export.north@erlab.net



PERTH SCIENTIFIC PTY LTD
Unit 2, 11 Narloo Street, Malaga, Western Australia 6000
Telephone: +618 6240 5600
Email: sales@perthscientific.com.au

www.erlab.com

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