



HALO 35 Smart

Halo Air Purification System

Filtration of Gas, Viral & Bacterial Pollutants



Laboratory



Office



Classroom

HALO 35 Smart purifiers guarantee laboratory grade air quality by filtering all gas, viral & bacterial pollutants at the source.

HALO 35 Smart purifiers deliver a high level of air quality without having to rely upon central HVAC systems while generating substantial energy savings.

All **HALO** units comply with the most stringent professional molecular & particulate laboratory air filtration quality standards.

SMART TECHNOLOGY

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

Alarm contact for BMS & BAS systems

Ethernet port for remote safety monitoring

4 ceiling suspension rings

8 Clean air injectors diffuse filtered air evenly back units the room

Dedicated air quality sensor. (HALO C only)

Postfilter (HALO C only)

Pulse-Width Modulation controlled fan

Prefilter

ERLAB exclusive modular filtration column allows for the use of any one of:

- 3 laboratory grade molecular filters or
- 2 laboratory grade particulate HEPA and ULPA filters

Easy filter & fan replacement access chamber



Decontaminated air

HALO 35 Smart guarantees all labs, offices or classrooms air decontamination from all chemical, viral and bacterial pollutants.

Halo C air purifier units (VOC, Formaldehyde, Chemplus) allow for the complete molecular filtration (compliant with **NF X 15-211** laboratory grade molecular filtration safety standard) of a wide variety of airborne pollutants which can represent a health threat to all occupants.

In order to bring the best particulate filtration technology, we have equipped our **HALO P** purified air units with a **HEPA H14** laboratory grade particulate filter or when necessary a **ULPA U16** particulate filter for the most critical health risk situations. According to **EN1822** particulate filtration standard our **HEPA & ULPA** offer a very low particulate penetration factor and can achieve dust free air filtration efficiency of 99,99995% which is 10 to 1000 times more powerful than common air purifier units found on the market.

These filters are designed for the most complex sanitary situations. They efficiently & significantly reduce the propagation of all airborne viral and bacterial pollutants. We find these types of filters in cleanrooms and in all laboratory grade microbiological safety cabinets for the safe handling of pathogenic microorganisms.

HALO 35 Smart are all equipped with a:

- Prefilter
- Postfilter (**HALO C** only)
- VOC, Formaldehyde or Chemplus laboratory grade carbon filter compliant with molecular filtration **NF X 15-211** standard offering a wide gas filtration efficiency spectrum. **HALO C**
- Dedicated air quality sensor. **HALO C** only
- **HEPA** or **ULPA** laboratory grade particulate filter compliant with particulate filtration **EN 1822** standard offering filtration efficiency of up to 99,99995% offering an efficient capture of all viruses and bacteria. **HALO P**
- Pulse-Width Modulation controlled fan allowing for a 220 to 300 m³ per hour or 130 to 175 ft³ per minute of air treatment
- M²/ft² Air treatment : 25 m² / 269 ft² for one **HALO C** unit and 35 m² / 377 ft² for one **HALO P** unit



Filtration

Demand the best, industry certified, filtration quality



Simple to use and operate

Easy to install, runs 24/7, easy filter replacement. Simple communication by light pulsations



Safety

Laboratory grade Molecular & Particulate filtration. Real time air quality.



Connectivity

Remote control to monitor the Smart fume hood, change the settings, and deliver safety alerts immediately.

Energy savings & air safety

Installing a **HALO 35 Smart** in a lab, office or classroom ensure a high level of air quality without having to rely upon heavy air renewal systems or HVAC which can redistribute chemical or biological airborne pollutants throughout a building. Furthermore, by constantly filtering the air of the room without releasing it back to the atmosphere substantial energy savings can be achieved.

Easy to install, 24/7, does not take floor space

HALO 35 Smart air purifier units can be easily installed on the ceiling and do not take up precious floor space unlike other air purifier units on the market. They are directly connected to the building's main powerlines and therefore cannot be accidentally unplugged. **HALO** units are designed to run quietly 24/7 and contribute to a significant level of air treatment per minute or hour .

SMART be informed

HALO 35 Smart air purifier units are all equipped with **SMART TECHNOLOGY**. This technology allows for a simple and intuitive communication by light interface which informs every user of their level of protection. Through light pulsations room occupants can be informed in real time about the performance & status of every **HALO** unit.

Specifications



Gas / vapors

Particulates / Aerosols

	Gas / vapors			Particulates / Aerosols	
	VOC	Formaldehyde	Chemplus	HEPA	ULPA
	HALO 35 Smart C			HALO 35 Smart P	
External width (mm / in)	592 / 23 ^{1/4}			592 / 23 ^{1/4}	
External depth (mm / in)	892 / 35 ^{1/4}			892 / 35 ^{1/4}	
External height (mm / in)	260 / 10 ^{1/4}			303 / 12	
Air flow (m ³ /h / CFM)	220 m ³ /h / 130 CFM			300 m ³ /h / 176 CFM	
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)	100-240VAC / 50/60Hz			100-240VAC / 50/60Hz	
Power consumption	50 Watt			50 Watt	
Operating mode	24/24h - 7/7, Night/Day, Min Max detection, Detection value only			24/24h - 7/7, Night/Day	
Ceiling mounted	Hung via 4 eye bolts (included)			Hung via 4 eye bolts (included)	
Weight (kg/lbs)	31 kg - 68 lbs (filter included)			31 kg - 68 lbs (filter included)	
Protected surface (m ²)	25 m ² / 269 ft ²			35 m ² / 377 ft ²	

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			
Air quality performance sensors	Semiconductor for VOCs	Electro-chemical sensor for Formaldehyde	Semiconductor or Electro-chemical for a wide array of pollutants	Timer Based

Options

Carbon filtration for gases and vapors	For organic vapors	For formaldehyde vapors	For organic vapors and acid vapors	
Particulate filtration for powders				HEPA H14 filtration efficiency: 99.995 % according to MPPS method, EN1822 standard
				ULPA U16 filtration efficiency: 99.99995 % according to MPPS method, EN1822 standard
Prefilter	Particulate filter			
Postfilter	Particulate filter			

Structure

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

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