



HALO Carbon

Laboratory grade air purification station

An effective air purification system for toxic chemical emissions.

- Recommended for air treatment in spaces such as:
 - Laboratories
 - Workshops
 - Public facilities
 - Medical premises
- Ceiling mounted for optimal efficiency
- Energy efficient (50W) output
- Validated performance
- Independent and self sustainable, no HVAC required
- SMART remote management with SMART light technology
- Guaranteed ventilation
- Improvement with increased air change rates (ACH)



Compliant with the NF X 15-211 safety standard for laboratories, HALO Carbon ensures comprehensive molecular filtration of a wide variety of atmospheric pollutants, including VOCs (Volatile Organic Compounds), which can threaten the health of all occupants.

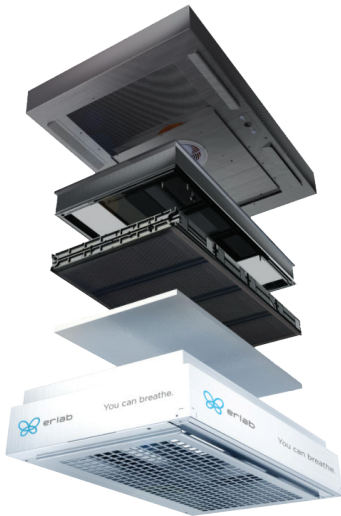
Air Safety and Energy Savings

A single device is sufficient for real-time purification of 2,648 ft. of air, which is the volume of air in a room with 269 ft. of floorspace. It works continuously to entirely replenish the air in a room, delivering a Clean Air Delivery Rate (CADR) of 130 cfm and providing a dilution equivalency to 2.5 Air Exchange Rates per Hour (ACH) all with no added HVAC, or outside air reliance.

Installing a HALO Carbon in a laboratory or office space guarantees a high level of air quality without having to resort to cumbersome air renewal systems or connections to HVAC systems (Heating – Ventilation – Air conditioning) which can redistribute chemical or biological atmospheric pollutants throughout a building. In addition, by constantly filtering the air in the room without releasing it into the atmosphere, installing a HALO Carbon can result in substantial energy savings.



The Advantages of HALO Carbon



1. Flashing LED lights (Smart technology) for real-time communication and intuitive updates for the user on the device's operational status
2. Internal BMS port
3. Ethernet port for remote safety monitoring
4. Four ceiling suspension rings
5. Eight clean air diffusers for uniform circulation of air throughout the room
6. A dedicated air quality sensor
7. Post-filter for controlling the ventilation regulation through PWM
8. Pre-filter for absorption of the largest airborne particles (hair, dust, etc.)
9. Modular filtration column exclusive to Erlab, allowing usage of 3 laboratory-grade molecular filters
10. Access chamber for easy filter and fan replacement

HALO Carbon PRODUCT SPECIFICATIONS

Area covered	269 ft. ²
Air flow rate	7,769 ft. ³ /hour
Standards compliance	Filtration performance tested under the conditions of the AFNOR NF X 15-211:2009 standard – CE marking
Mode of operation	24/7, Day/Night, Adjustable detection level
Installation	On the ceiling using the 4 included suspension rings
Width	23.3 in.
Length	35.1 in.
Height	10.2 in.
Weight	68 lbs. (includes filter)
Energy consumption	50 W