

CleanSpace™ HALO

Respiratory protection in the health sector



Technical specifications

CleanSpace™ Halo Motor:

ALL-IN-ONE powered air purifying system with P3 HEPA filter and integrated battery in the engine block

Technology: AirSensit™

- Mask pressure and airflow control based on the breathing pattern
- Management of filter life and battery life

Weight: 350 grams (lightweight, compact and comfortable)

Maximum airflow: Up to 230 l/min

Battery: Lithium-ion polymer

Protection class: IP66 (waterproof, suitable for decontamination procedures)

Visual and audible alarms :

- End of life of particulate filter
- Battery charge level or low battery warning
- Minimum flow rate as specified by the manufacturer: 120 l/min

Autonomy: Up to 9 hours / Charging time < 2 hours

Certification: EN 12942, classification TM3

Attachment: Easy to use head harness

P3 HEPA filter: Very fine particles, aerosols, viruses and bacteria (efficiency > 99.97% of 0.3µm particles)

Half-mask:

- Material: Hygienic and hypoallergenic medical silicone
- Available in 3 sizes
- Weight: 125 to 150 grams

BioHood (optional):

- Material: polyethylene with flash spinning, polycarbonate visor
- Attachment: attached to the HALO half-mask by two eyelets
- Weight: 150 grams

Product description

The **CleanSpace™ Halo** is a powered air purifying respirator (PAPR) with patented AirSensit technology that delivers filtered air on demand for the highest level of protection in healthcare against fine solid or liquid particles, aerosols, viruses and bacteriological contaminants. It is compatible and suitable for decontamination and sterilization procedures.

It is an innovative respiratory protection device that automatically adapts the airflow to the user's breathing for unparalleled comfort. With no devices attached to the belt (cables, motor hoses or batteries), it offers great freedom of movement without risk of snagging and it is compatible with standard hospital PPE (gowns, hair covers, face shields, etc.).

The **CleanSpace™ Halo** represents a major innovation in respiratory protection in the health, laboratory or pharmacology fields. It is composed of a compact and light engine integrating a P3 HEPA filter (High-Efficiency Particulate Air) combined with a half-mask. It offers the highest level of protection on the market with 99.97% of filtration efficiency against particles superior or equal to 0.3 µm.

The soft medical quality silicone half mask is latex-free and provides a proper and comfortable tight seal. The fresh air inlet in the mask gives the wearer a feeling of freshness, removes moisture and polluted air, and prevents fogging. NIOH/CE tested and certified, it is waterproof and suitable for use in decontamination showers and frequent cleaning.

The **CleanSpace™ Halo powered air purifying system** is easy to use and requires no special training. It is quick and simple to set up: just connect the half mask, adjust it, turn it on and it is functional. The intelligent automated technology will rely on the user's breathing to start and stop the airflow.



Numerous accessories are available to suit medical applications, from the **hood CleanSpace™ BioHood** against biological hazards to exhalation adapters specifically developed for sterile or cleanroom environments.



The **Steri-Plus** is designed to filter the air exhaled by the user and therefore protects people who do not wear a respirator. It can only be used with the HALO half mask and cannot be used with the BioHood.