

▶ CleanSpace™ Ex

ATEX Powered air purifying half mask and mask



Technical specifications

▶ CleanSpace™ Ex Engine:

ATEX ALL-IN-ONE powered air purifying mask with filter and battery integrated into the engine block.

Technology: AirSensit™ with mask pressure, airflow control filter, and battery life management

Weight: 415 grams

Maximum airflow: 220 l/min

Battery: Lithium-ion polymer

Battery life: Up to 8 hours / Charging time: < 2 hours

Approval: EN 12942, classification TM3 12942, classification TM3 ; IECEx: Ex ia IMA ; ATEX: I M1 Ex ia IMA / II2 G Ex ib IIB T4 Gb

Each system features a motor, two neck protectors, a charger, head harness, and a storage bag (mask and filters not included).

Half-mask:

- Material: Hygienic and hypoallergenic medical silicone with anti-electrostatic strips
- Available in 3 sizes / Weight: 125 to 150 grams

Full face mask:

- Size: One size fits all M/L / Weight: 700 grams
- Panoramic visor with scratch and solvent-resistant hard coating
- Suitable with CleanSpace Ultra and CleanSpace Ex

▶ Filters available:

- **P3:** Tiny particles, aerosols, viruses, and bacteria
- **A2-P3:** Organic gases and vapors (solvents, plant protection products), solid or liquid particles
- **ABEK1-P3:** Organic and inorganic gases and vapors, acid gases, ammonia and its derivatives, fine particles, and aerosols
- **AX-P2:** Tiny solid or liquid particles and highly volatile organic solvents with a boiling point < 65 °C (*must be changed after each use*)

Product description

The **CleanSpace™ Ex** is an intrinsically safe **ATEX powered air purifying mask** for applications in flammable or potentially explosive atmospheres. It is a respiratory protection against fine particles, toxic gases or vapors, and hazardous aerosols in the most demanding working environments.

The **CleanSpace™ Ex** represents a significant innovation in personal respiratory protection. The engine automatically adapts the airflow to the user's breathing for unparalleled comfort. Compact, lightweight, and free of belt-mounted devices (motor, battery, etc.), it offers considerable freedom of movement and can easily be combined with other PPE (chemical suit, harness, etc.).

The **ATEX CleanSpace™ Ex powered air purifying mask** is easy to use and does not require special training. It includes a compact motor integrating battery and filter. It exists in half-mask or full-face mask versions. It is attached with side clips making it easy to fit, take off, and disassemble while maintaining excellent load balance.

Weighing only 540 grams, the **CleanSpace™ Ex** is the lightest ATEX powered air purifying unit worldwide. The patented toroidal motor with patented micro-turbine generates an airflow of up to 200 l/min. The filtered air is supplied on demand (AirSensit patent), automatically adapting to the user's breathing rate, limiting the strain on the battery while providing respiratory comfort.

The **CleanSpace™ Ex** is compatible with the full range of CleanSpace filters ranging from P3 particulate filters to the combined A2-P3, ABE1-P3, or AX-P2 filters (protection against aerosols and volatile organic compounds). It is currently the only ATEX powered air purifying unit capable of filtering VOCs!

▶ Powered air purifying ATEX against VOCs:



The half mask **CleanSpace™ Ex** ATEX combined with the **AX-P2** filter offers efficient protection against fine solid or liquid particles. They are also suitable for volatile organic compounds (VOCs) from solvents with a boiling point of less or equal to 65 °C, such as acetone, methanol, and methyl bromide.

It is widely popular in ATEX zones, particularly in refineries, gas pipelines, storage depots (solvents, alcohols, paints), printing plants, chemical and pharmaceutical industries, or mining.