

3. BENEFITS OF THE SYSTEM

3.1 IMPROVED AIR QUALITY

- **Constant Air Renewal:** Provides a continuous flow of fresh air, preventing the build-up of carbon dioxide and other pollutants.

3.2 SAFETY AND COMFORT

- **Safe Environment:** Maintains optimal temperature and humidity conditions, essential for prolonged stays in shelters.
- **Silent Operation:** Designed to minimize noise, creating a comfortable environment for occupants.

3.3 ENERGY EFFICIENCY

- **Low Energy Consumption:** Its efficient design allows for economical operation, crucial in situations where energy may be limited.



4. APLICACIONES

- **Bunkers and Shelters:** Provides a safe environment during prolonged emergencies.
- **Military Installations:** Ensures habitability in critical environments.
- **Laboratories and Research Centers:** Ideal for areas where thorough air quality control is required.

5. WARRANTY AND SUPPORT

- **Warranty:** 2-year full warranty.
- **Technical Support:** Technical assistance available 24/7.
- **Training:** Initial training for personnel in charge of operating the system.





1. INTRODUCTION

The Bunker and Shelter Ventilation System is a comprehensive solution designed to provide fresh and safe airflow in closed and critical environments. This system ensures air renewal, the removal of contaminants and the maintenance of optimal living conditions, essential for the safety and well-being of occupants during prolonged situations.

2. TECHNICAL CHARACTERISTICS

2.1 TECHNICAL SPECIFICATIONS

- **Model:** VentiGuard Pro 500
- **Ventilation Capacity:** Up to 500 m³/h
- **Power Consumption:** 120 W
- **Dimensions:** 70 cm x 50 cm x 35 cm
- **Weight:** 30 kg
- **Noise Level:** 38 dB (silent operation)

2.2 KEY COMPONENTS

- **High Efficiency Fans:** Equipped with EC (electronically commutated) technology for optimal performance and low energy consumption.
- **High Efficiency Filters:** HEPA filters that remove up to 99.97% of 0.3 micron particles, ensuring clean, contaminant-free air.
- **Intelligent Control System:** Monitors air quality, automatically adjusting ventilation based on CO₂ and O₂ levels.
- **Integration Options:** Compatible with existing filtration and purification systems.