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TITAN – Air Defence System

MOBILE AIR STERILIZATION UNIT

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TITAN – Air Defence System (ADS)

TITAN – Air Defence System (ADS) is a professional UVC/TRUE hepa mobile air sterilization unit

CINOVA systems offers a wide range of customized sterilization services to fight against viruses and bacteria, including COVID-19 and all its mutations.

We have commissioned, a bespoke custom made **UVC/True HEPA** sterilization system with a proprietary delivery mechanism that has a Game Changing UVC power output like no other device, which provides a high level of efficiency and power.

This allows us to provide our clients a security barrier with a maximum effective rate of inactivation of pathogens, through an environmentally friendly and sustainable way of keeping your clients, customers and employees safe.

Our flagship model the **TITAN Air Defence System,** has been tested, with confirmed results by an independent 3rd party recognized testing laboratory to reduce the microbial load in the air by **>99.99%,** based on the Strictest Microbial Limits for **Grade A** Cleanrooms, standards of the **European Medicines Agency GMP.**

TITAN – Air Defence System effectively inactivates airborne pathogens (Viruses & Bacteria) and is specially designed for any area where groups of people congregate and want to have a powerful barrier against the threat of airborne pathogens, such as:

- Hotel Common Areas & Rooms
- Conference Centers
- Restaurants
- Entertainment facilities
- Yachts
- Retail shops
- Banks/Offices
- Hospitals/Clinics
- Transportation
- Theatres

The TITAN – Air Defence System utilizes a proprietary system that draws air in and passes it through a **True HEPA Filter,** with an additional layer of protection through Four Powerful Amalgam Ultraviolet UVC (germicidal) Lamps. The air is then re-circulated into the room having been sanitized.

Amalgam lamps are long-arc **UVC** lamps used in professional air disinfection equipment. They combine high efficiency with relatively high power density.

According to the **FDA,** UVC is a known disinfectant for air, water, and nonporous surfaces. UVC radiation has effectively been used for decades to reduce the spread of bacteria. UVC has been shown to destroy the outer protein coating of pathogens, causing the inactivation of the virus. It is also effective in inactivating the SARS-CoV-2 virus, which is the virus that causes the Coronavirus Disease 2019 (COVID-19). UVC will achieve 99.9% disinfection **(International Ultraviolet Association).**

True HEPA is the international gold standard for filtering particles – Latest **NASA** studies proved that 99.97 percent of particles 0.3 microns in diameter are trapped.

True HEPA filters can catch particles that contain coronaviruses. People expel droplets of respiratory fluid, saliva, and possibly viruses into the air when breathing, coughing, and talking. Even if the water in the droplet evaporates, the droplets contain salts, proteins, and other material in addition to any virus, which means the remaining particles are typically a few microns in size, making them fairly easy to trap with a True HEPA filter.

10.000 HOURS
LAMP OPERATION
GUARANTEE

HEAVY-DUTY
STAINLESS-STEEL
CONSTRUCTION

OPERATIONAL
PROGRAMMING

Specifications

Model	TITAN ADS 2000
Operating Voltage	110/230V
Power Consumption	700W
Frequency	50/60Hz
UVC Radiation	520W
Lamp Type	UVC Amalgam
Filter Type	True HEPA 13/14
Air-Flow m3/h	Up to 2000 m3/h
Noise Level at 50%	51dB
Noise Level at 100%	66dB
Operating Temperature	-20/+60 C
Air-Flow Control	Silent Inverter

70 kg

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