

AIR SANITIZER AND MIXER UV-C TECHNOLOGY - 254NM

eliturbo
UV-LIGHT

It is the innovative machine of the ELITURBO series, intelligent, **Green** and multifunctional, designed and manufactured by IMPRESIND.

IT REDUCES THE BACTERIAL AND VIRAL CHARGES PRESENT IN THE AIR OF INDUSTRIAL, CIVIL, COMMERCIAL, SPORTS ENVIRONMENTS, WHEREVER THERE ARE PEOPLE



HEALTH



GREEN



EUROPEAN
CERTIFICATIONS



MADE IN ITALY

UV-C TECHNOLOGY
254nm

Investments for the sanitation of workplaces could benefit from state contributions and tax relief.

THE ADVANTAGES OF UV-C TECHNOLOGY

From the sun to artificial lamps, **UV rays are capable of killing the Sars-CoV-2 coronavirus.** Short-wavelength ultraviolet light, or UV-C radiation, is very effective in neutralizing the new coronavirus. UV-C light typically has a wavelength of 254 nanometers, or 254 billionths of a meter, and its germicidal power on bacteria and viruses is well known, a property due to its ability to break the molecular bonds of DNA and RNA that constitute these microorganisms. Several systems based on UV-C light are already used for the disinfection of environments and surfaces in hospitals and public places. The "high germicidal power" of ultraviolet light has been proved by Italian scientists from the State University of Milan and the National Cancer Institute. The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) recommends ultraviolet germicidal irradiation as a strategy for addressing transmission of COVID-19 disease (ASHRAE 2020).

THE ADVANTAGES OF ELITURBO UV-LIGHT

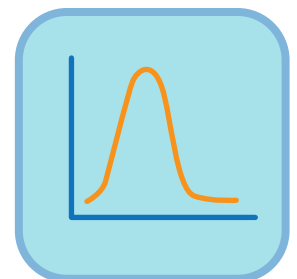
- **Designed for use in closed places, even in the presence of people**
- **High ultraviolet efficiency**
- **Protection from exposure to UV-C sources**
- **Germicidal effect for the neutralization of viruses and bacteria**
- **Reduction of surfaces contamination**
- **Replaces the use of chemical sprays in the air**
- **Ozone free**
- **Tested and certified materials and equipment**
- **Continuous operation**
- **Easy installation**

WHAT ARE UV RAYS?

Light is made of visible rays, infrared rays and ultraviolet rays. Ultraviolet rays (invisible) are classified into:

- UV - A (tanning properties)
- UV - B (therapeutic properties)
- UV - C (germicidal properties)

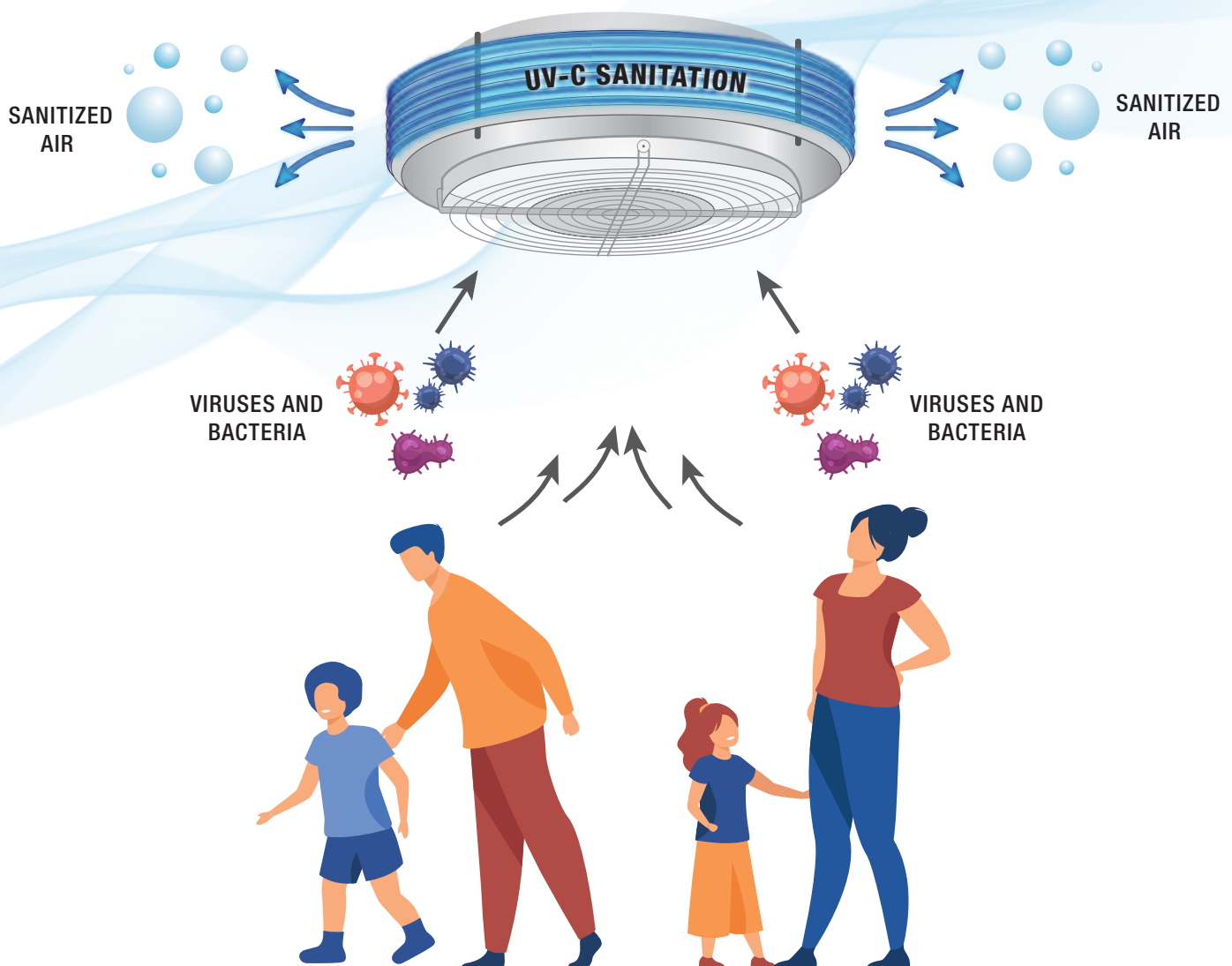
The UV-C light eliminates Bacteria, Viruses, Fungi, Spores, Molds and Mites by destroying their DNA, and inhibiting their reproduction and proliferation. The UV-C technology is a physical disinfection method with an excellent cost / benefit ratio, it is ecological and, unlike chemical agents, it works against all microorganisms without creating resistances.



HOW ELITURBO UV-LIGHT WORKS

ELITURBO UV-LIGHT uses short wavelength ultraviolet light radiation technology, called UV-C, to reduce bacterial and viral loads present in the air. ELITURBO UV-LIGHT **can run 24 hours a day even in the presence of people thanks to the exclusive UV-C shielding and protection system.** During night operation, in the absence of people, the neutralization of bacteria and viruses is completed and the ambient air will be sanitized for the next day.

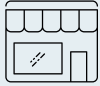
ELITURBO UV-LIGHT makes use of a special sanitization and ventilation process to treat the ambient air. The air passes through a germicidal chamber where it is **bombarded by multi-directional UV-C rays capable of reaching and neutralizing the pathogens present.** The sanitized air is returned to the environment in all directions, to make uniform the microclimate of the room. Unlike other devices that irradiate the environment in a single direction, **the exclusive shape of ELITURBO UV-LIGHT with its circular deflectors allows to treat the air at 360° and to sanitize the entire volume involved.** The ventilation is soft and silent.



HOW TO INSTALL ELITURBO UV-LIGHT

Installation is very simple. ELITURBO UV-LIGHT is lightweight and can be hung from the ceiling of the room, **at a height of not less than 2,5 m from the floor.** It requires connection to the power supply and an ON/OFF switch. **Switch-off ELITURBO UV-LIGHT in case of maintenance on the product and other works at height in the same room.**

WHERE ELITURBO UV-LIGHT IS USED



CIVIL AND COMMERCIAL PREMISES, OFFICES, BARS, RESTAURANTS, SHOPS, MEETING ROOMS, CANTEENS, SCHOOLS, GYMS, CINEMAS, THEATERS, EXHIBITIONS.



INDUSTRIAL PREMISES, WORKSHOPS, WAREHOUSES, CHANGING ROOMS, MEETING ROOMS, CANTEENS, COMMON PREMISES.



AGRICULTURAL ENVIRONMENTS, WAREHOUSES, GREENHOUSES, LIVESTOCK BUILDINGS.



MEDICAL AND HEALTHCARE ENVIRONMENTS, HOSPITALS, CLINICS, DOCTOR'S OFFICES, ANALYSIS LABORATORIES, PHARMACIES.

ELITURBO UVL series		UVL100
TECHNICAL DATA		
Absorbed power	W	90
Power supply	V	220-240
Frequency	Hz	50/60
Fan type		Axial
Airflow	m ³ /h	100
Sound power	dB(A)	35
Protection degree	IP	20
DIMENSIONS		
Diameter	mm	680
Height	mm	260
Weight	Kg	10
External finish		Powder coating
SANITATION		
UV-C lamps		2 x 36W
UV-C wavelength	nm	254
Lamp lifespan	h	9000
Radiated power	W	21.6
Working volume and surface		100 m ³ - 40 m ²
Category (EN 12198-1)		2

TECHNICAL CHARACTERISTICS



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THE OTHER SOLUTIONS OF IMPRESIND



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