



STERICLAIR™ 

*Install, sanitize, breathe*

[WWW.STERICLAIR.COM](http://WWW.STERICLAIR.COM)





# STERICLAIR™ with UVGI Technology

*Install, sanitize, breathe*

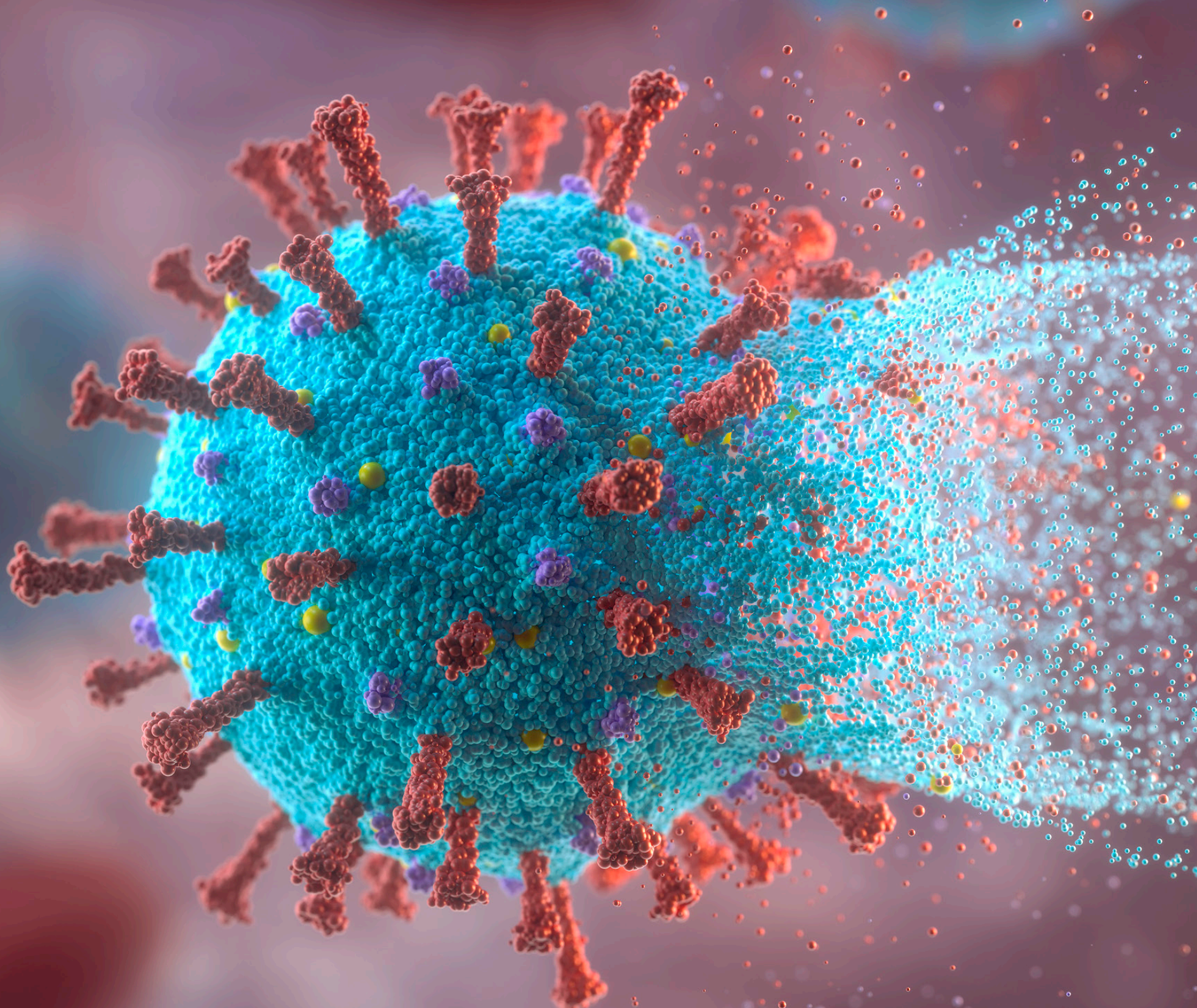
STERICLAIR™ is a bactericidal system, which acts by means of UV-C radiation ensuring disinfectant efficacy against all forms of microbial life preventing the formation of resistant species. STERICLAIR™ allows to reduce over 99% of environmental airborne contamination also related to SARS-CoV-2 (the Covid 19 agent).

## ULTRA VIOLET GERMICIDAL IRRADIATION

The UVGI (Ultra Violet Germicidal Irradiation) technology that characterizes the device exploits the germicidal power of UV-C rays and for this reason, this technology guarantees sanitizing efficacy against all forms of microbial life. Since no chemicals or pharmacological products are used, no harmful substances are released into the air, much less ozone.









# Effective against COVID-19 and Bioterrorism

“ *The keyword in understanding strategy is motivation. This is simply why we do what we do.* ”

The high disinfection power (285Watt), the continuity of the treatment (H24), the means used (UV-C) and the constructive innovations allow the STERICLAIR™ to be one of the best solutions in order to restrict the spread of the Covid-19 infection inactivating the Sars-Cov-2 damaging its dna/rna helices. Moreover, for these reasons, this device is considered a valid countermeasure for bacteriological attacks.



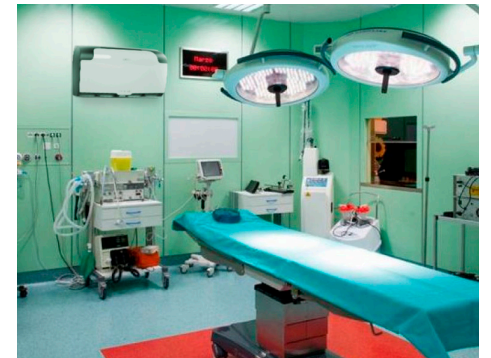
# Intended use



**HEALTHCARE**  
Hospital ward



**HEALTHCARE**  
Field hospitals



**HEALTHCARE**  
Surgery

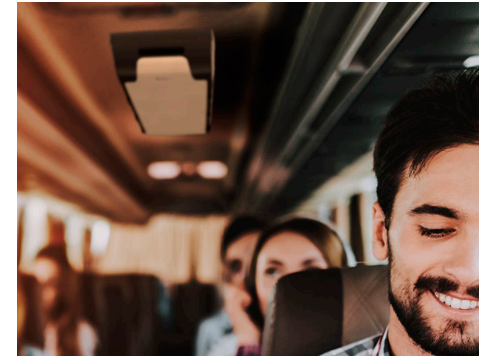




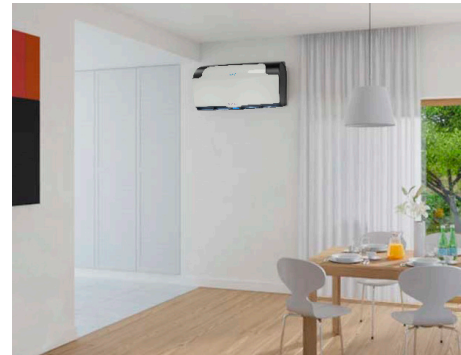
**WORKPLACE**  
Office, workshop, schools



**ELEVATORS**  
School, hospital, office



**TRANSPORT**  
Bus, train, taxis



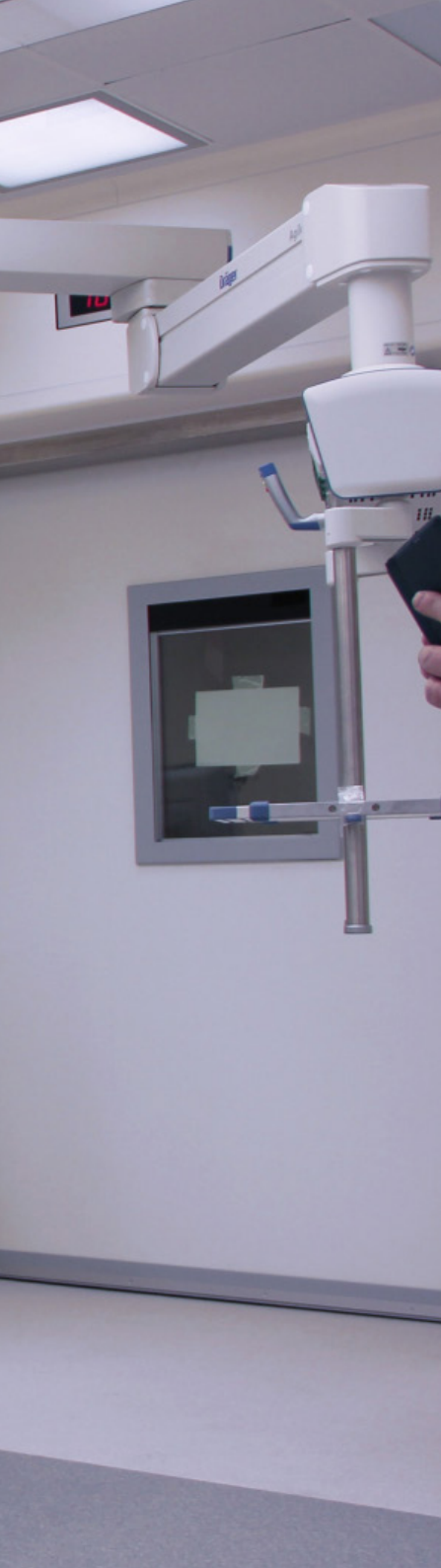
**HOME**  
Living rooms



**COMMERCIAL ACTIVITIES**  
Restaurants, cafe, shops







SERIES

# STERICLAIR™600

Video



The Stericlair™600 is the perfect device to ensure healthy and pure air in critical environments such as hospital rooms, where the risk of bacterial proliferation must be minimized.

Easy to install and easy to use, the Stericlair™600 also guarantees the safety of our children in schools by providing clean and healthy air.

- The Stericlair™ 300/600 is suitable for hospital environments (rooms and clinics) and for schools (classrooms, canteens, gyms).
- Like the other products of the Stericlair™ line, it offers a 99% reduction in bacterial load.







SERIES

# STERICLAIR™300

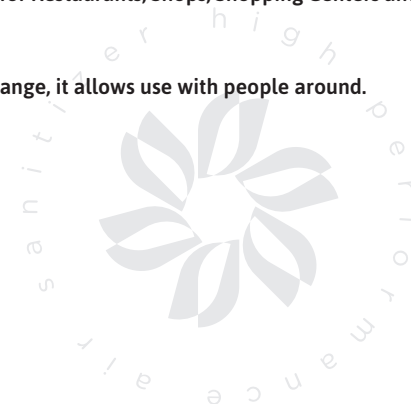
Video



The Stericlair™300 is designed for the safety of the workplace and assembly areas. Thanks to its sanitizing action, the device guarantees the normal performance of activities in these places in total safety and health.

Thanks to the Stericlair™300 it is possible to relive the most beautiful moments of sociality that characterize life, with the awareness of having a powerful ally in defense of one's health

- The Stericlair™300 is suitable for Restaurants, Shops, Shopping Centers and any type of office.
- Like the other devices in the range, it allows use with people around.









SERIES

# STERICLAIR™150PLUS

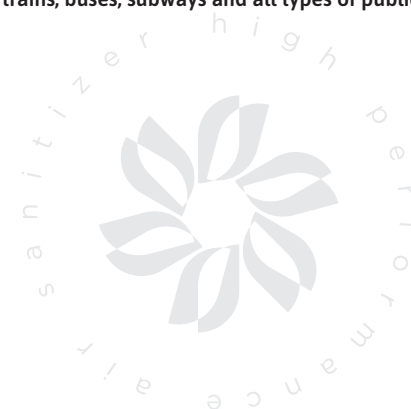
Video



Public transport as well as taxis are a constant in our private and working life. These, however, also offer a dangerous moment of gathering, especially at peak times.

With the installation of a Sterimove in every wagon, every taxi, train or school bus, traveling will be safer than ever.

- Stericlair™150PLUS is a version of the UV-C device for mobile applications. It is suitable for school buses, trains, buses, subways and all types of public mobility services.







SÉRIE

# STERICLAIR™150

Video

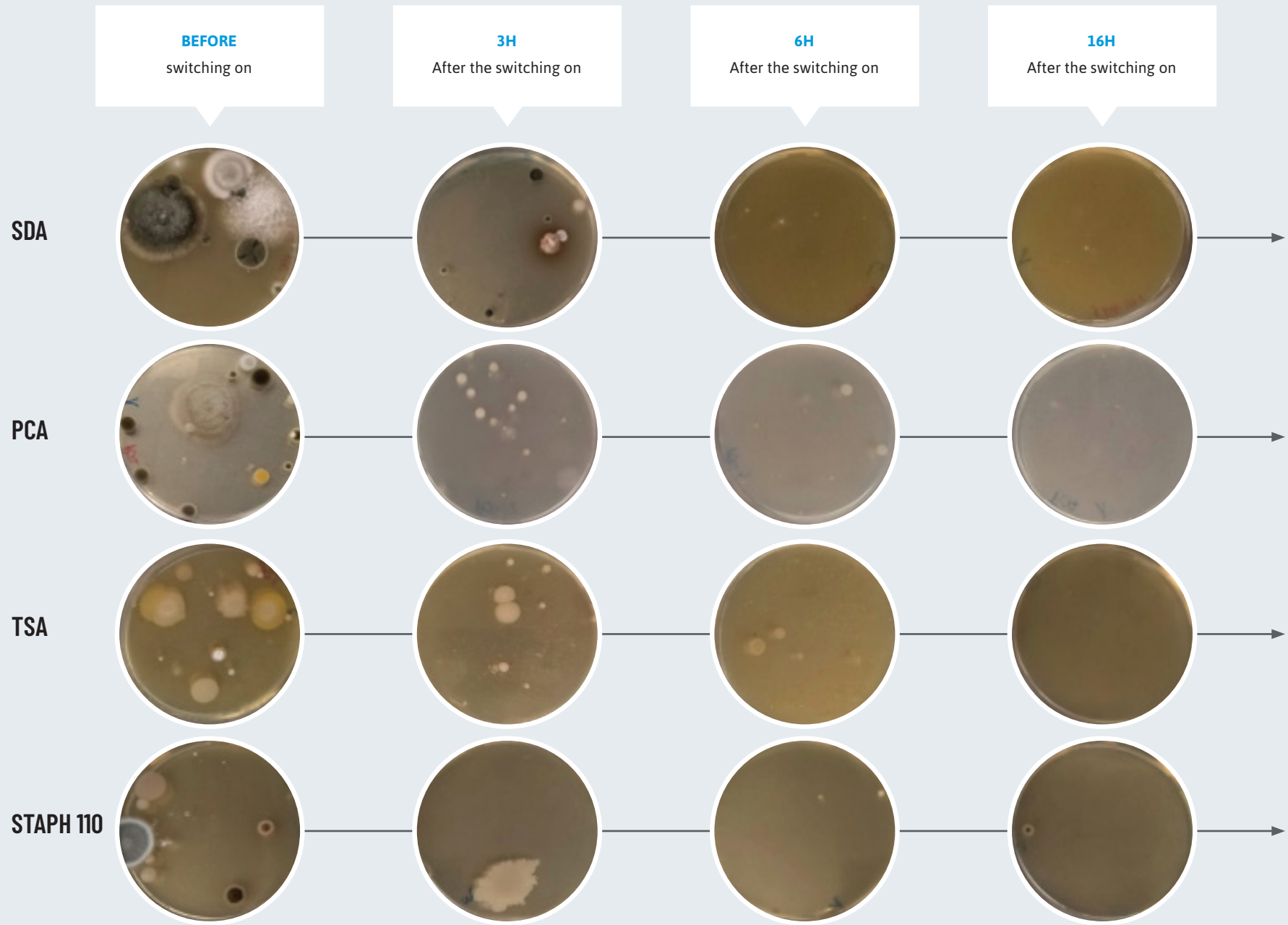


Even a short lift ride with other people represents a potential health hazard in this historical period but thanks to Stericlair™150 the risk is close to zero.

Sterilift was created to ensure the safety and health of the user even in fleeting moments in elevators. With this device, nothing will be left to chance

- **The Stericlair™150 is designed for lifts (public and private) and allows good sound for this very important service in construction.**





Representative plates of the different agar media before and after switching on the device. (For different periods)



## RESULTS

# Scientific tests



The performance and operation of the device were the subject of a specific study carried out at the University of Salerno. The study certified the effective virucidal power offered by the device, and its ability to reduce the bacterial load. Therefore, it has been certified that the device's UVGI technology denatures the DNA and RNA of bacteria and viruses by means of UV-C rays.

Almost all microorganisms are not immune to UV-C radiation but can only vary the dose of radiation necessary for its inactivation. At each passage of the device, each microorganism is subjected to an irradiation of over 120 J / m<sup>2</sup> and the effect is cumulative.







**ECS**

EXTRA  
CORPOREAL  
SOLUTIONS





ECS EXTRA CORPOREAL SOLUTIONS

# Company profile







Founded in 2013, E.C.S. was born from the union of the thirty-year experience of its management and the know-how deriving from continuous research aimed at scientific innovation. Experience in the field of research and solid technical skills in the air treatment sector have ensured that the company is now the exclusive agent of major international brands. Over the years the company has carried out important research studies in the field of out-of-body therapies and environmental sanitation using UVGI technology. E.C.S. boasts solid relationships with both public and private health professionals who for years have continued to place trust in the company thanks to the reliability of the services offered, the care and meticulousness provided in the after-sales assistance and training phase.

The trust that public and private operators in the health sector continue to place in us is our pride. For years the company has been pursuing a philosophy of transparency and reliability and this would not have been, nor would it be possible without the necessary certifications and affiliations to authoritative sector associations. The company's quality system is ISO 9001 and ISO 13485 certified for medical devices. The ECS is also a member of the IUVA International Ultraviolet Association (IUVA.org), engaged in research on the technological advancement of applications based on UV radiation in the international arena.







				
<b>Model</b>	<b>STERICLAIR™600</b>	<b>STERICLAIR™300</b>	<b>STERICLAIR™150PLUS</b>	<b>STERICLAIR™150</b>
<b>Technology</b>	UV-C Lamp	UV-C Lamp	UV-C Lamp	UV-C Lamp
<b>Purpose of use</b>	Disinfection and reduction of microbial load of the Air	Disinfection and reduction of microbial load of the Air	Disinfection and reduction of microbial load of the Air	Disinfection and reduction of microbial load of the Air
<b>UV-C Wavelength</b>	253,7 nm +/- 3%	253,7 nm +/- 3%	253,7 nm +/- 3%	253,7 nm +/- 3%
<b>Power disinfection filter</b>	570W (6 x 95 W)	285W (3 x 95 W)	190W (2 x 95 W)	95W (1 x 95W)
<b>UV-C Power</b>	n.6 units of 27W (162W in total)	n.3 units of 27W (81W in total)	n.2 units of 27W (54W in total)	n.1 units of 27W (27W in total)
<b>Dimension (cm) (WxDxH)</b>	108 x 27 x 55	61 x 27 x 55	16,5 x 16,5 x 90	16,5 x 16,5 x 90
<b>UV-C dose of irradiation</b>	122 J/m²	116 J/m²	95 J/m²	47 J/m²
<b>Standard Configuration Weight</b>	+/- 40 kg	+/- 24 kg	+/- 9 Kg	+/- 9 Kg
<b>m³/h</b>	From 290m³/h to 720m³/h 3 different speeds	From 300 mc to 450 m³/h	Max 120 m³/h	Max 120 m³/h
<b>Fan speed</b>	3 speeds	3 speeds	3 speeds	3 speeds
<b>Noise</b>	19- 45 db	20- 44 db	22- 46 db	22- 46 db
<b>Case</b>	Plastic / Metallic	Plastic / Metallic	Plastic / Metallic	Plastic / Metallic
<b>Insulation</b>	UNI EN-13501-4	UNI EN-13501-4	UNI EN-13501-4	UNI EN-13501-4
<b>Mechanical Filters</b>	G3	G3	G3	G3
<b>Device power supply</b>	Voltage Power: 230 Vac – 50 Hz Absorption: 484 VA – 0,42 A	Voltage Power: 230 Vac – 50 Hz Absorption: 264 VA – 1,2 A	Voltage Power: 230 Vac – 50 Hz Absorption: 176 VA – 0,8 A	Voltage Power: 230 Vac – 50 Hz Absorption: 92,4 VA – 0,42 A
<b>Package contents</b>	- Device - RC Command - User Manual - Power Cable	- Device - RC Command - User Manual - Power Cable	- Device - RC Command - User Manual - Power Cable	- Device - RC Command - User Manual - Power Cable
<b>CE Classificaion</b>	Class I type BF	Class I type BF	Class I type BF	Class I type BF
<b>Complies with</b>	DIRECTIVE 93/42/CE, DIRECTIVE 2006/42/CE, DIRECTIVE 2014/30/EU, DIRECTIVE 2014/35/EU.	DIRECTIVE 93/42/CE, DIRECTIVE 2006/42/CE, DIRECTIVE 2014/30/EU, DIRECTIVE 2014/35/EU.	DIRECTIVE 93/42/CE, DIRECTIVE 2006/42/CE, DIRECTIVE 2014/30/EU, DIRECTIVE 2014/35/EU.	DIRECTIVE 93/42/CE, DIRECTIVE 2006/42/CE, DIRECTIVE 2014/30/EU, DIRECTIVE 2014/35/EU.

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## DESIGN SOLUTIONS

# Customizable design

All products belonging to the “Stericlair™” range can be customized with different patterns, offering the best design for all environments.

The design of the external surfaces of the device is easily adaptable to the surrounding environments thanks to the specific customizable adhesive films that offer the possibility to choose the most suitable and aesthetic one from countless themes and patterns.





ECS EXTRA CORPOREAL SOLUTIONS

# Certified product



DESCRIPTION: Air recirculation unit with germicidal function based on UV-C, with UVGI principle (Ultra-Violet Germicidal Irradiation) for the reduction of bacterial and viral charge in the air.

IS COMPLIES with the provisions of the following EU directives:

- I. Directive 2006/42/CE: Machinery Directive
- II. Directive 2014/30/EU: Electromagnetic Compatibility
- III. Directive 2014/35/EU: Low Voltage

to which this declaration relates is in conformity with the relevant Union harmonization legislation:

Reference	Title and Description
CEI EN 60601-1	Medical electrical equipment - Part 1: General requirements
CEI EN 55014-1	Electromagnetic Compatibility - Requirements for household appliances - Part 1: Emission
CEI EN 55014-2	Electromagnetic Compatibility - Requirements for household appliances - Part 2: Immunity
CEI EN 62335-1	Safety of electrical appliances for domestic and similar use
CEI EN 62335-2-65	Household and similar electrical appliances - Safety - Part 2: Particular requirements for air-cleaning appliances
ISO 13485	Medical Devices Quality management systems, Requirements for regulatory purposes.
UNI EN ISO 9001	Quality management systems - Requirements
ISO 14971	Medical devices - Application of risk management to Medical Devices
IEC 82079-1	Preparation of instructions for use - Structuring, content and presentation - Part 1.
UNI 10653	Quality of product technical documentation
EN ISO 15223-1	Symbols to be used with medical device labels,
UNI EN 1041	Information supplied by the manufacturer of medical devices
CEI EN 17050-2	Supplier's declaration of conformity — Part 2: Supporting documentation
CEI EN 62023	Structuring of technical information and documentation
CEI EN 82045-1	Document management - Part 1: Principles and methods





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ISO 13485:2016

QUALITY MANAGEMENT SYSTEM

MEDICAL DEVICES

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