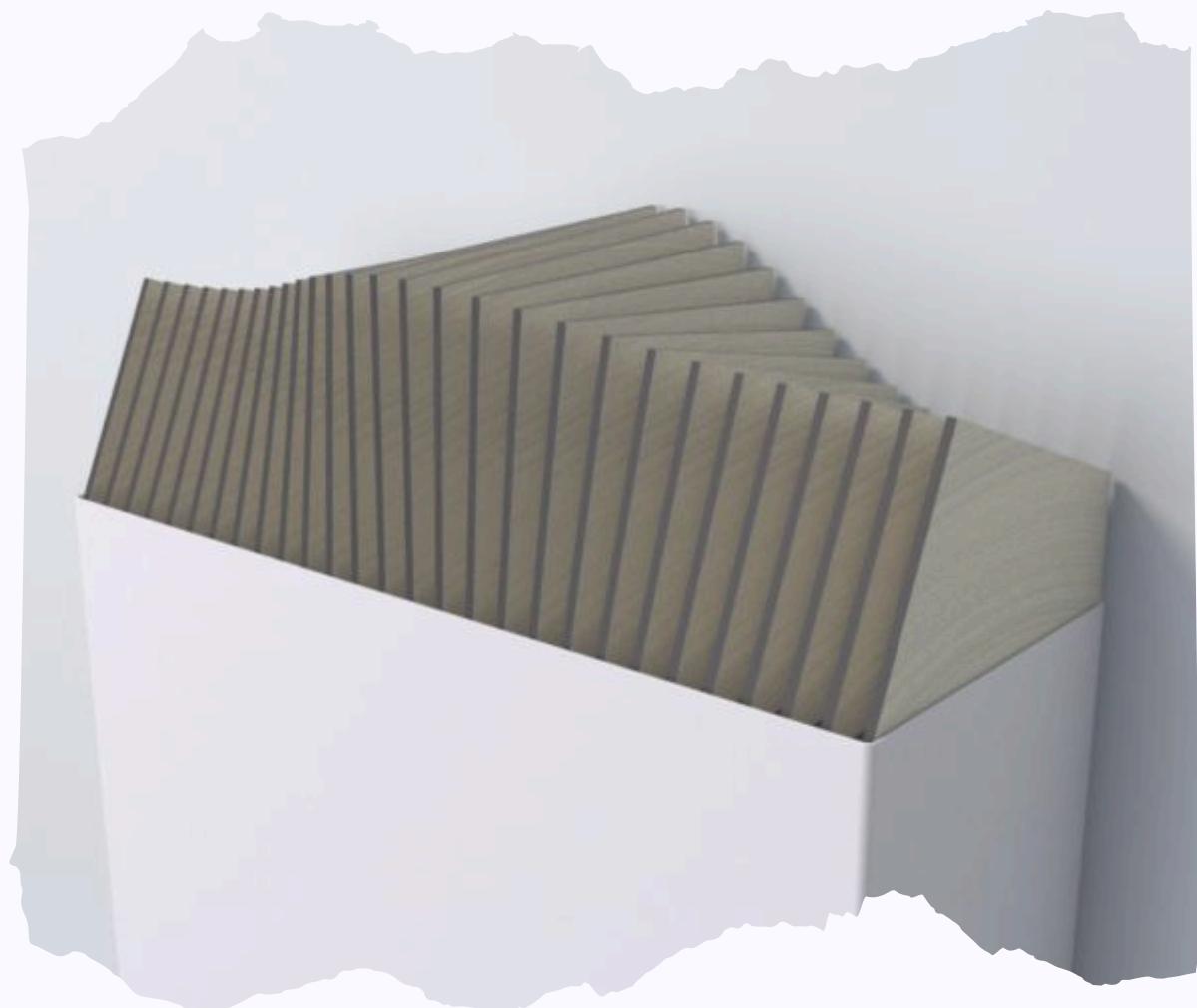


Health is in the air



CSA SYSTEM S200

JUST BECAUSE
YOU DON'T SEE
THE PROBLEM,
DOESN'T MEAN IT
ISN'T THERE.



We are an innovative start-up and spin-off of the University of Urbino Carlo Bo (Italy). We arose from the merging between university researchers and experts in the aeraulic systems and aerobiology fields. We design, produce and sell the latest generation air sanitizers suitable for indoor environments.

PRODUCTION PROCESS



SPIN OFF UNIVERSITÀ DEGLI STUDI DI URBINO
CARLO BO

CSA SYSTEM S200

Air sanitizer
and purifier





CSA SYSTEM S200

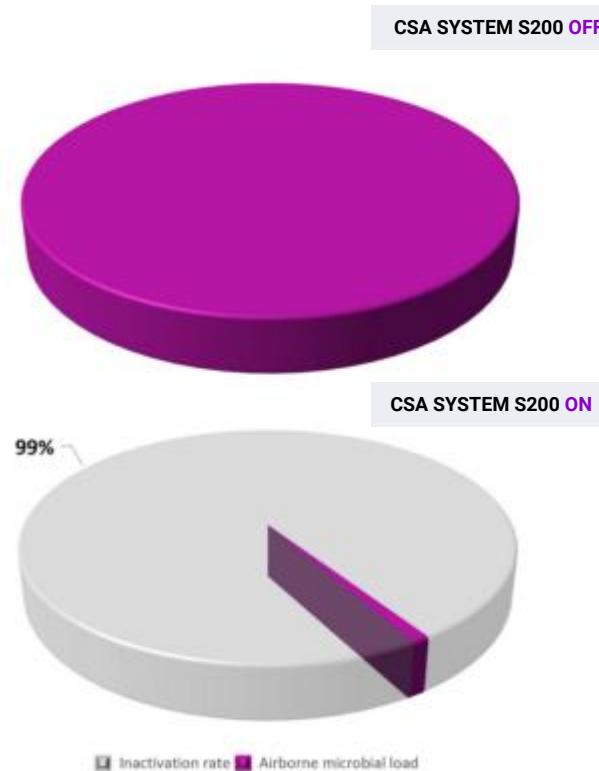
The **CSA SYSTEM S200** is the ideal solution for continuously sanitizing domestic environments, offices and classrooms, treating up to 200 m³ of air per hour. The **CSA SYSTEM S200** is a plug and play system.

Thanks to our patented technology, the device greatly **reduces the presence of airborne microorganisms, reaching inactivation rates of over 99%.***

In addition, to ensure healthy indoor environments, the **CSA SYSTEM S200 purifies the air with percentages exceeding 92%**, by removing pollutants such as particulate matter, dust, allergens and volatile organic compounds (e.g. formaldehyde). The **CSA SYSTEM S200** is designed to allow maximum healthiness in environments of up to 80 m².

***tests conducted by University of Urbino Carlo Bo (Italy)**

The device efficacy was assessed in collaboration
University of Urbino Carlo Bo (Italy) up to 200m³.
The **CSA SYSTEM S200** showed a **microbial
abatement efficacy higher than 99%**.



1506
UNIVERSITÀ
DEGLI STUDI
DI URBINO
CARLO BO

CSA System Technology

Our patented technology combines continuous air sanitization and purification in presence of people, to achieve maximum health benefits. Moreover, the **CSA SYSTEM** technology is **chemical-free** and **safe** for people and the environment.

The **CSA SYSTEM** technology has a **low environmental impact**, being perfectly in line with the ecological transition.

In fact, thanks to the use of the latest generation components, our technology is able to achieve high levels of microbiological inactivation and abatement of the airborne particulate matter, with **minimal energy consumption**.

**Our patent, up today, has been
granted in 10 Countries on 3
Continents**

Real-Time Monitoring

Our devices are equipped with a **sensor platform** to continuously monitor air quality parameters such as **pressure**, **airflow speed**, **temperature**, **relative humidity**, **atmospheric particulate matters** (PM10, PM2.5, PM1) and **gaseous pollutants** (VOC, CO2).

Through these sensors, users can view air quality data in **real time** on different platforms, including smartphones. Moreover, data from several devices located in different environments **can be monitored simultaneously** using a single screen. In the future, our systems will be able, through artificial intelligence, to adjust their performances according to air quality parameters and the number of people in the environment.



CSA System Design

Style is our mission. To give shape to our ideas we relied on those who know the aesthetics, the context and the client's expectations, thus the collaboration with **Giugiaro Architettura** was born. The result is to transform the most visionary concept into something real.

The design approach starts from the idea of a global vision to move step by step towards a more in-depth and accurate analysis of every single detail, until arriving at the identification of a coordinated image.

This encapsulates our concept of "**Made in Italy**" of our systems, from technology to design.



GIUGIARO
ARCHITETTURA

TEchnologies, design, production and packaging

Made in Italy



MODELS AND COLORS

MODELS

cod. CSA SYSTEM S200-A0



cod. CSA SYSTEM S200-B0



cod. CSA SYSTEM S200-C0

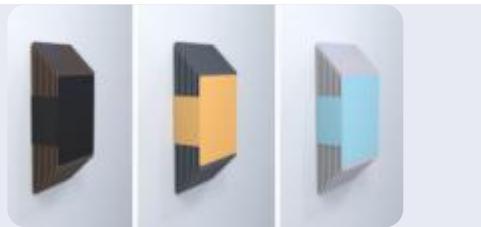


cod. CSA SYSTEM S200-D0



COLORS

A1 A2 A3



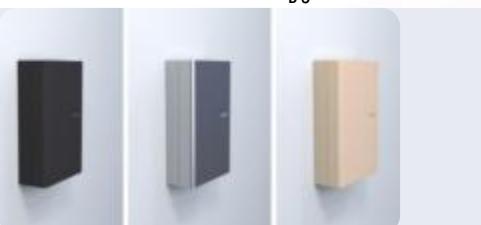
B1 B2 B3



C1 C2 C3



D1 D2 D3



cod. CSA SYSTEM S200-E0



E1



E2



E3



cod. CSA SYSTEM S200-F0



F1



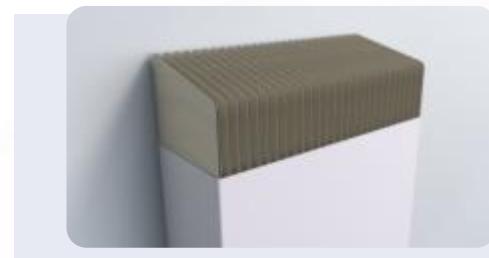
F2



F3



cod. CSA SYSTEM S200-G0



G1



G2



G3



cod. CSA SYSTEM S200-H0



H1



H2



H3



cod. CSA SYSTEM S200-I0



I1



I2



I3



cod. CSA SYSTEM S200-L0



L1



L2



L3



FEATURES

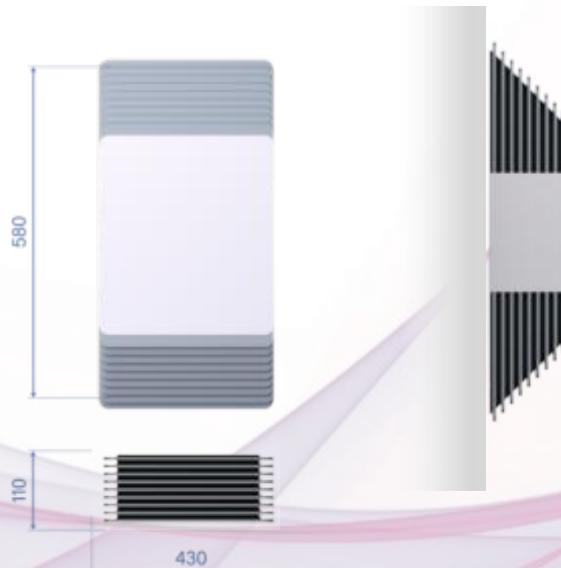
GENERAL FEATURES

Category	Continuous air sanitizer
Indoor Environment (m ²)	up to 80
Materials	steel/plastic
Air flow (m ³ /h)	up to 200
Power consumption (W)	50
Noise (dB)	45
Operating temperature (°C)	-20 a +45
Voltage (V)	24
Frequency (Hz)	50
Led UVC	Yes
Type of input filter/ type of output filter	G4 self-sanitizing
Mounting	ceiling or wall
Controls	Remote control
Dimension (cm)	11 (P) x 58 (H) x 43 (L)
Weight (kg)	8

SPECIFIC FEATURES

VENTILATION

Flow (m ³ /h)	200
N° of blowers	1
Speed (rpm)	1200
Pressure (Pa)	140
Air outlet	Upper grille



PACKAGING

Dimension (cm)	15 (P) x 60 (H) x 45 (L)
Weight (kg)	10

APPLICATIONS

HOME AND OFFICE



HOSPITAL AND COMMUNITY



GYM



EDUCATION



HOME

- Living room
- Kitchen

SHOP

- Libraries
- Malls

WORKPLACES

- Meeting rooms
- Offices

HEALTH CARE

- Hospital
- Nursing home
- Medical and dental practices

COMMUNITY

- Wellness centers
- Hairdressers
- Cultural activities

FITNESS

- Gyms
- Sport Centres

- Swimming pools

SCHOOL INSTITUTES

- Kindergartens
- School
- University
- Libraries



SCIENTIFIC PUBLICATIONS

As a university spin-off, STE develops products and offers services with scientifically validated solutions. In addition, **our products are the subject of many scientific publications** in international journals, available on our website.

Read our scientific publications:

- Baldelli, G., Aliano, M.P., Amagliani, G., Torresan, G., Magnani, M., Brandi, G., Schiavano, G.F. Airborne microorganisms inactivation with a UV-C led and ionizer-based Continuous Sanitation Air (CSA) system in trains environment. Journal of preventive medicine and hygiene. 2021; Vol.62 N.1.
- Baldelli, G., Aliano, M.P., Amagliani, G., Magnani, M., Brandi, G., Pennino, C., Schiavano, G.F. Airborne Microorganism Inactivation by a UV-C LED and Ionizer-Based Continuous Sanitation Air (CSA) System in Train Environments. Int J Environ Res Public Health. 2022;19(3):1559.
- Palma, F., Baldelli, G., Amagliani, G., Aliano, M.P., Brandi, G., Schiavano, G.F. Use of an eco-sustainable UV-C LED continuous sanitation air (CSA) system in indoor sport environments. Journal of preventive medicine and hygiene. 2022; Vol.63 N.2S1.
- Palma, F., Baldelli, G., Schiavano, G. F., Amagliani, G., Aliano, M. P., & Brandi, G. Use of Eco-Friendly UV-C LEDs for Indoor Environment Sanitization: A Narrative Review. Atmosphere. 2022; 13(9), 1411.

OTHER PRODUCTS

CSA SYSTEM S600

The **CSA SYSTEM S600** is the ideal solution for the continuous sanitization of domestic environments, offices and classrooms, treating up to 600 m³ of air per hour. The **CSA SYSTEM S600** is a sistema plug and play.



Education



Sanitary



Spare time

CSA SYSTEM S14000

The **CSA SYSTEM S14000** it represents a valid solution for sanitizing and purifying the air in large environments with a high crowding rate, such as for example:



Work



**Industrie
s**



**Pressostatic
Structures**

By integrating our **CSA SYSTEM S14000** into the heating, ventilation and air conditioning (HVAC) system, it is possible to continuously sanitize and purify the air, even in these environments where, due to the high number of occupants, the concentrations of indoor pollutants reach high levels.



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