

GENIUS

AIR SANIC

1040 MC/H



TEKNO SISTEMI
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Viale Petrarca 167 LIVORNO



SANITIZING COLUMN OF ENVIRONMENTS
AND SURFACES

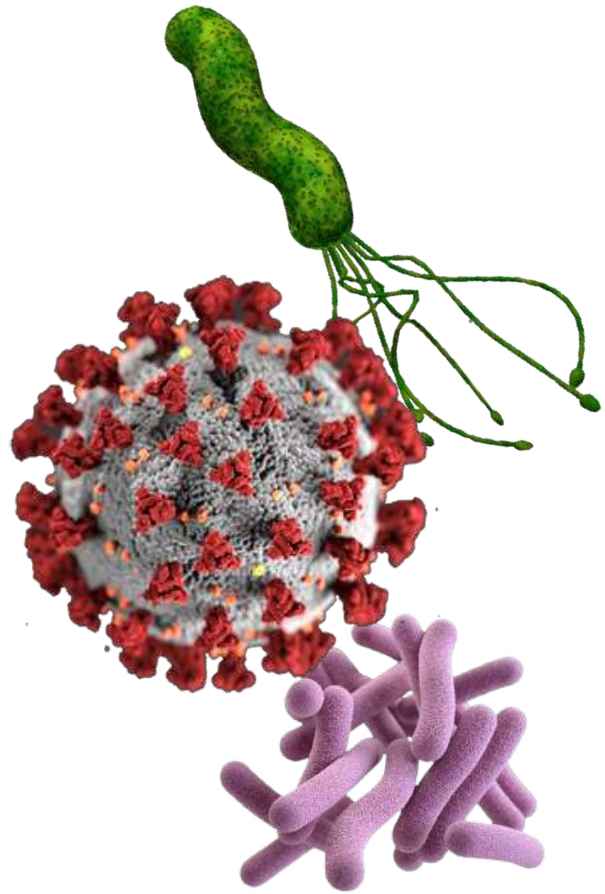
PROBLEM

Nowadays, 90% of our time is spent inside enclosed rooms, of which over 30% consist of workplaces.

The air of indoor environments is mainly treated by distribution and conditioning systems that represent one of the main causes of environmental pollution.

In addition, it should also be considered the fact that the lack of air exchange, due to the weather or the logistics of the environments, further contributes to the proliferation and spread of viruses, bacteria and mould, transported by people or things.

Lastly, the simple act of cleaning and disinfection of the premises, however frequent, does not eradicate the problem of indoor contamination: in fact, the continuous access of people inside the building constantly increases the risk of air pollution.



SOLUTION

The **GENIUS AIR SANIC** sanitizing column is a truly effective answer to the problem of viral and bacterial contamination in enclosed spaces.

Placed at the entrance to indoor rooms, the GENIUS AIR SANIC column allows constant air sanitation with the emission of airborne particles capable of destroying most of the polluting and toxic substances present in the environment, without any danger to people's health. The GENIUS AIR SANIC sanitizing column, thanks to PCO™ technology, guarantees:

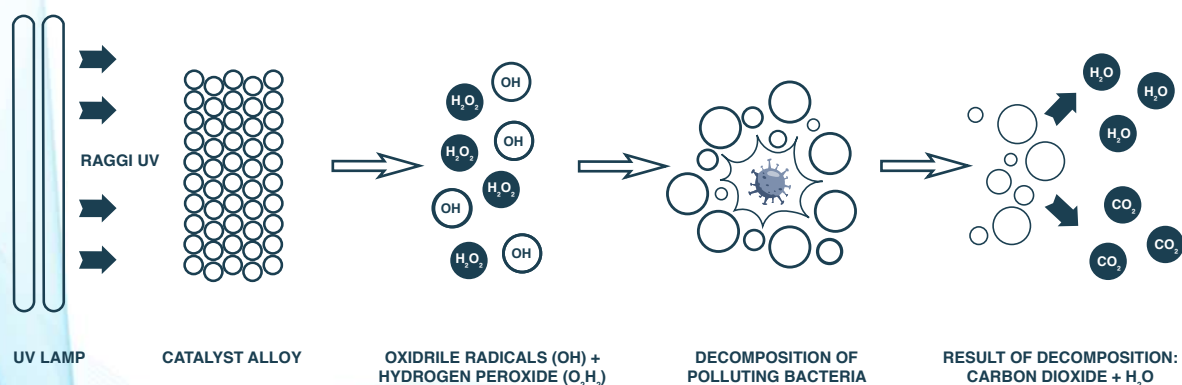
- Elimination of germs, bacteria and viruses
- Active treatment of surfaces and environments with hydrogen peroxide linked to air humidity
- Elimination of odors
- Reduction of harmful microparticles
- Reduction of dust clusters
- Improvement of the general quality of indoor air.



HOW?

PCO™ technology, better known as photocatalytic oxidation, is based on the principle of photocatalysis, a process that generates oxidizing ions capable of destroying most polluting and toxic substances (bacteria, viruses and molds, carbon-based molecules). The air passing through the column undergoes a photochemical reaction through the emission of UVC rays which strike a barrier of titanium dioxide and other noble metals, releasing an additional oxygen molecule which, combined with the humidity of the air, **generates particles of hydrogen peroxide capable of destroying the microbial load of air and surfaces.**

Active sanitation system with oxidizing ions (pacman) which destroy the pathogenic pollutants present in the environment.



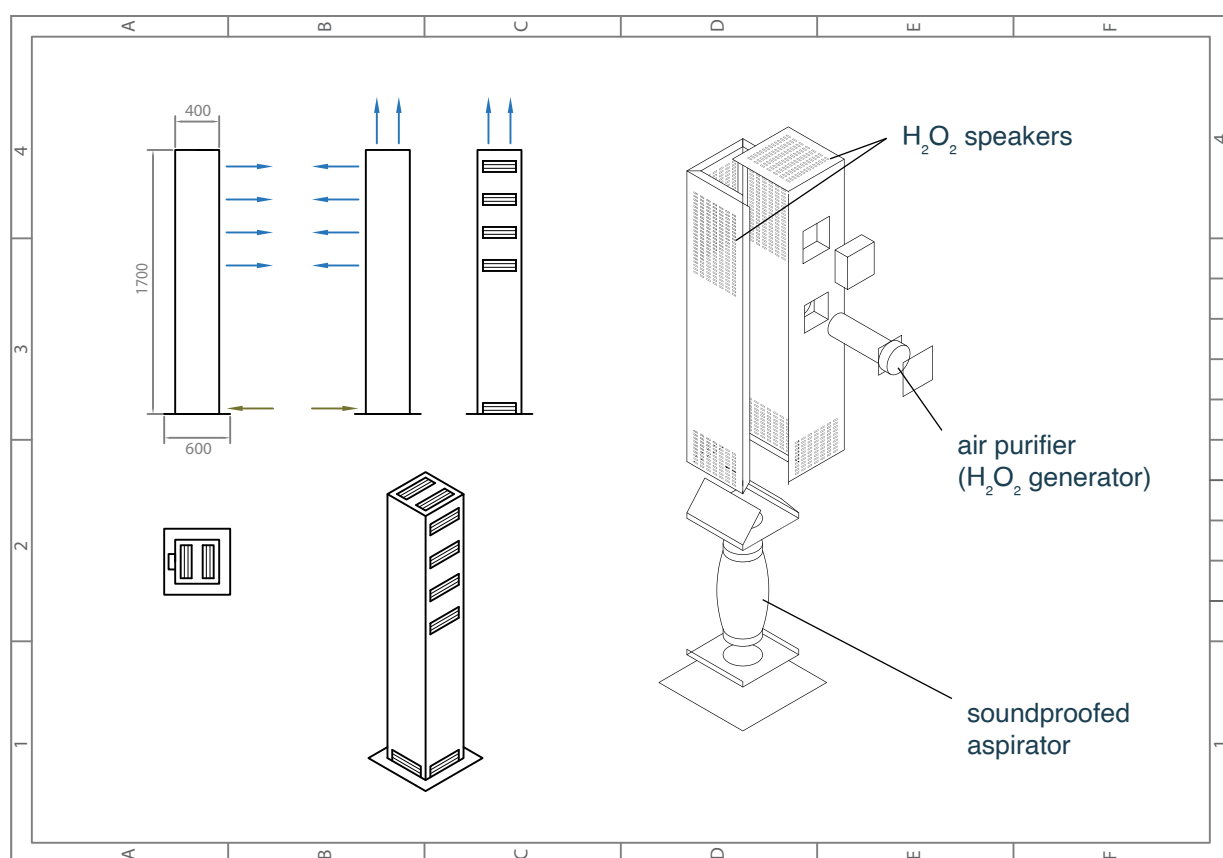
Active sanitation system with oxidizing ions (pacman) which destroy the pathogenic pollutants present in the environment.



OPERATION

The GENIUS SANITIZING COLUMN is made of reinforced plastic and is equipped with axial suction and 5 diffusion outlets positioned on one side. The air intake of 1040 cubic meters / hour passes through the AIR KNIGHT active purification system, which redistributes all the treated air in the 5 vents.

The motor control and the emergency button are on the side opposite of the vents. For optimal operation, the disinfectant column must be active for at **least 16/24 hours a day** and the relative humidity in the environment cannot be less than 20%. To ensure complete air sanitization, it is recommended to install **a column every 150 square meters** (large model).



MAINTENANCE

The AIR KNIGHT system only requires the **replacement of the UVC lamp every 16000 working hours**.

It **does not require daily maintenance** or his product to be dosed daily, as it uses the humidity of the air.

TECHNICAL SPECIFICATIONS

- DIMENSIONS: 40 x 40 x 170 cm
- WEIGHT: 40 kg
- POWER SUPPLY: 220V / 144W
- CAPACITY *: 1040 mc / h
- NOISE: 29 dB (A)
- MATERIAL: Forex

* manually adjustable



CONCLUSIONS

The technology based on uvc rays and titanium dioxide photocatalyst eliminates almost all germs, bacteria and viruses. In addition, it eliminates odours due to strong air ionization.

The Air Genius Sanic column has an effect on harmful airborne microparticles, including ultra-fine particles generally untreated by ordinary filters.

The constant use of Air Genius Sanic will improve the indoor air quality of the treated spaces.

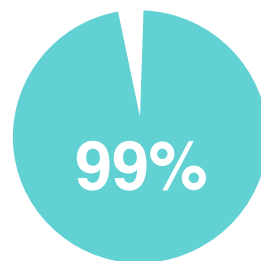
Air Genius Sanic has no filters to replace and is easily transportable within the environments.

TESTED ON:

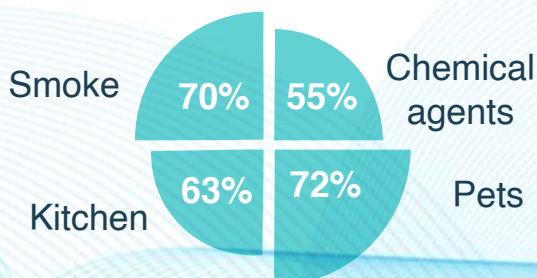
- Total bacteria
- Yeasts and moulds
- Staphylococcus aureus
- Pseudomonas aeruginosa
- Aspergillus spp.
- Cladosporium spp
- Legionella spp. Surface
- **Sars-Cov2 ***

* **effectiveness guaranteed** by the Department of Biomedical and Clinical Sciences "Luigi Sacco"

REDUCTION BACTERIA AND MOLD



REDUCTION SMELLS



SECTORS OF USE

- FOOD / FOOD TRANSPORT
- INDUSTRIAL
- MEDICAL / HOSPITAL
- RESIDENTIAL / VMC SYSTEMS
- OFFICES / WORKPLACES
- RESTAURANTS / HOTELS
- TRANSPORT

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DISPOSITIVO MEDICO
DI CLASSE I



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