

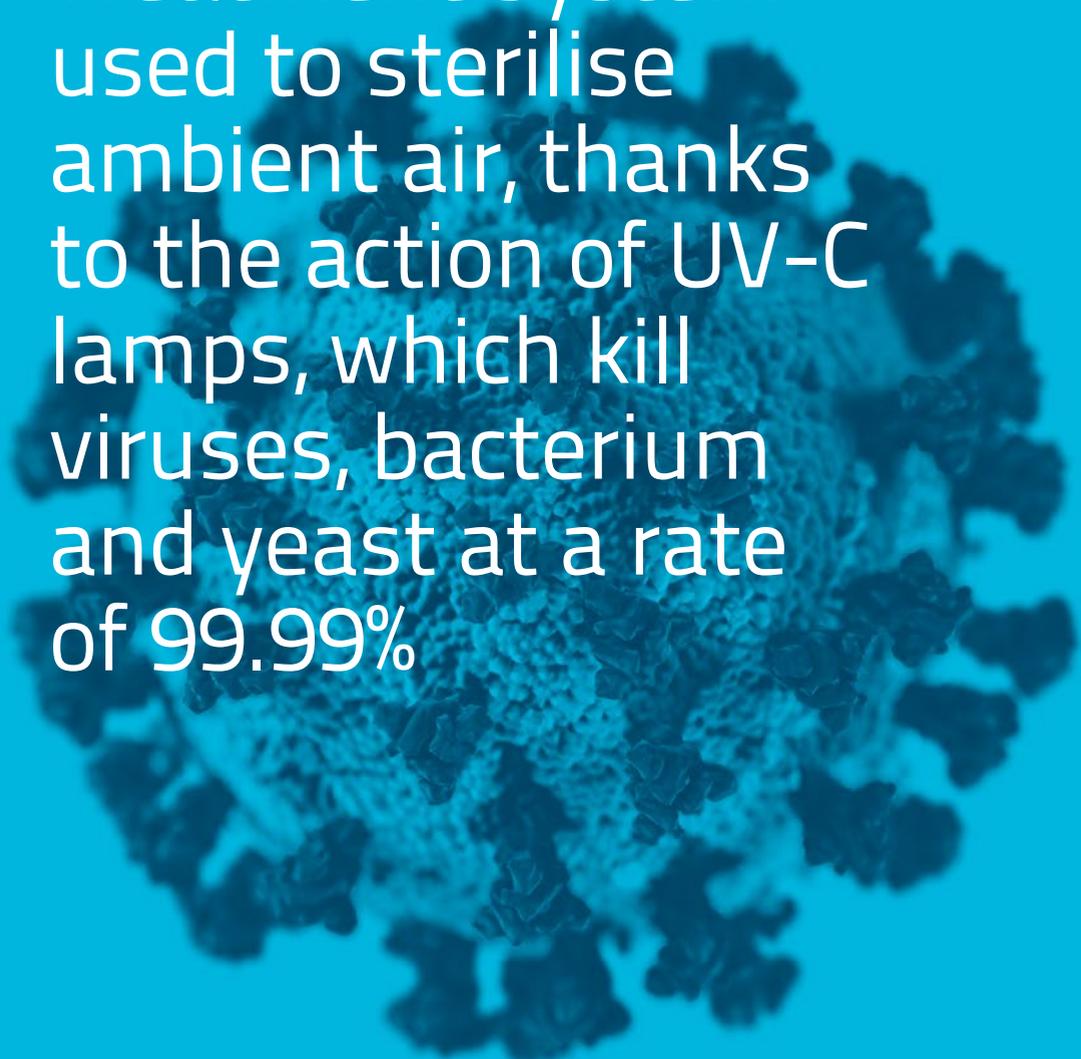


Sterilair PRO

The simple
solution
to airborne
contamination

AiHealthcare

We deliver peace of mind



Sterilair PRO is
an Air Biological
Treatment System
used to sterilise
ambient air, thanks
to the action of UV-C
lamps, which kill
viruses, bacterium
and yeast at a rate
of 99.99%

Sterilair PRO's effectiveness is demonstrated by numerous studies.

Sterilair PRO can treat 120m³ air/hour, with a killing rate of 99.99% within 3 hours, and a proven efficacy in real environment of 99.22%

(Eurofins Biopharma Lab Report)





82 cm



27 cm

Airborne contamination is a serious problem, now more than ever. In many indoor environments, this issue is particularly critical; especially where there is a high turnover of people, and even more so in healthcare and surgical environments where it is crucial to maintain healthy air quality.

Tackling a Pandemic

Coronaviruses are extremely sensitive to short wavelength ultraviolet light (UV-C) and the World Health Organisation (WHO) documents the use of UV-C in Severe Acute Respiratory (SARS) Infection Treatment Centres. A single passage through the Sterilair PRO chimney is enough to destroy 99.99% of the virus.

Waiting rooms and clinical environments

Viruses are spread via airborne contamination, meaning waiting rooms are an ideal place for them to proliferate, generating a risk both for patients and clinicians. In clinical environments, it is proven that instruments with dynamic components can atomise around 400,000 particles per minute in a 2m diameter space, 70% of which come into contact with operators in the area. The Sterilair PRO eliminates bacteria and viruses in suspension that have been atomised by equipment.

Other indoor environments

While the Sterilair PRO was originally designed for dental and healthcare facilities, its effectiveness is not limited to these environments. Its application is recognised for use across all industries and sectors due in part to the coronavirus pandemic.



Irradiation with UV-C rays

4 x 25W Philips UV-C lamps run at 253.7 nm wavelength – the most effective wavelength for effective germicidal action

Output grille
The treated, sterilised air is expelled from the outlet nozzle thus reducing the microbial load in the environment

Intake fan

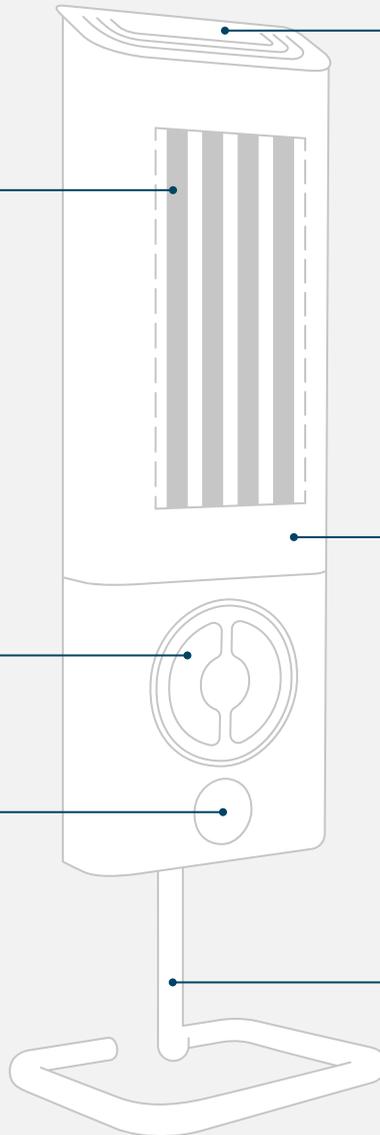
Dust filter for primary purification from coarse pollutants ensures maximum efficiency of UV-C lamps by keeping them dust-free

Solid aluminium construction
Reflective internal case which maximises the action of the UV-C lamps

Programmable

Unit clock and programme settings

Floor stand
Sterilair PRO can be wall-mounted or, using the optional stand, placed in any environment, with the maximum freedom to move it when needed



How it works

The Sterilair PRO works on the basis of a closed-loop, forced ventilation system. Air drawn in by the Sterilair PRO first passes through a G3 filter located behind the intake fan, which stops coarse pollutants from entering the unit and maintains the efficiency of the UV-C lamps. The air then enters the irradiation chamber and comes in direct contact with the UV-C lamps, which carry out maximum germicidal action. The sterilised air is then expelled from the outlet nozzle.

Main benefits

Impressive cost-benefit ratio. The Sterilair PRO has low operating-costs, drawing a maximum of 150W.

Safe. The Sterilair PRO can work around the clock because it does not disperse radiation into the environment and therefore poses no risk.

Near silent. When operating, the units produce next to no noise (32dB) so you'll barely be able to tell it's running. Rest assured though, the Sterilair PRO is busy sterilising the air!

Minimal maintenance. The units do not use unnecessary and expensive HEPA filters. Germicidal action is guaranteed by the UV-C lamps within, which each have a lifespan of 9000 hours (equating to over a year of constant operation). A G3 filter is used to maintain the efficacy of the lamps.

Fully programmable. Boost the safety of your workforce by ensuring that room air is being treated before and after anyone occupies a room.



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