

PROFESISONAL UV-C AIR PURIFIERS with PHOTOCATALYTIC FILTER (TiOx®)



UV FAN SERIE is a range of professional air purification devices with a silent internal fan which conveys air from the room and purifies it from microbes and chemical contaminants. The germicidal chamber contains UV-C lamps and is made of mirror bright aluminium surfaces, to improve the germicidal power of the lamps by reflection. Air is sanitized by lamps and clean air is introduced again into the environment, without contaminants. Besides UV-C technology and in combination with it, there are two **TIOX** filters; Tiox stands for nanostructured titanium dioxide and it is a powerful photo-catalyst to degrade organic and inorganic pollutants, Volatile Organic and Non-Organic Compounds (VOCs and NOXs).

With UV-FAN, air purification can be carried out 24/24h without contraindications, since the UV-C light is completely confined within the device, thus ensuring the complete safety of people.

Ultraviolet lamps UV-C with emission peak at 235.7 nanometers to remove bacteria and viruses from the air we breathe. This technology has a strong germicidal power against all the microorganisms that may be present in the air and airborne, including **Avian Flu Virus** as H5N1, **SARS, Sars-Cov-2, Influenza, Herpes**, bacteria such as **Legionella Pneumophila, TBC** but also **Yeasts, Molds and Fungi**.

The percentages of microbial reduction ranges from 99.99% for the bacteria and 99% for the virus, for each passage of air inside the device

CERTIFICATIONS ON EFFICACY

UV-FAN action and performance are guaranteed by the Institute of Hygiene of Siena University and by SINAL Laboratories (certification system recognised by the Italian Ministry of Health) which is recognised as highly qualified laboratory, (D.M. 26/02/87, comma 4, Italian regulation 46/82), in accordance with the Good Laboratory Practices (GLP), EEC 88/320, D.L. 27/01/92 n. 120.

A third part laboratory certified UNI CEI EN ISO/IEC 17025:2018) tested UV-FAN UV-C dose emission needed to eliminate microorganisms demonstrating its compliance with ISO 15714 standard about .

It is important to note that all studies conducted have certified the effectiveness of UV-C on COVID-19 and that most International Health Agencies have recognized the importance of UV-C rays technology for pandemic containment.