UV-FAN XS

eXtra Small dimension
eXtra Silent ventilator
eXtra Strong efficacy

UVFAN-XS combines compact sizes with a great efficacy in improving IAQ
in a unique form factor, tested by 3rd part laboratories proving 99,99% disinfection
at each air passage only using strong UV-C power and a special TiOx filter

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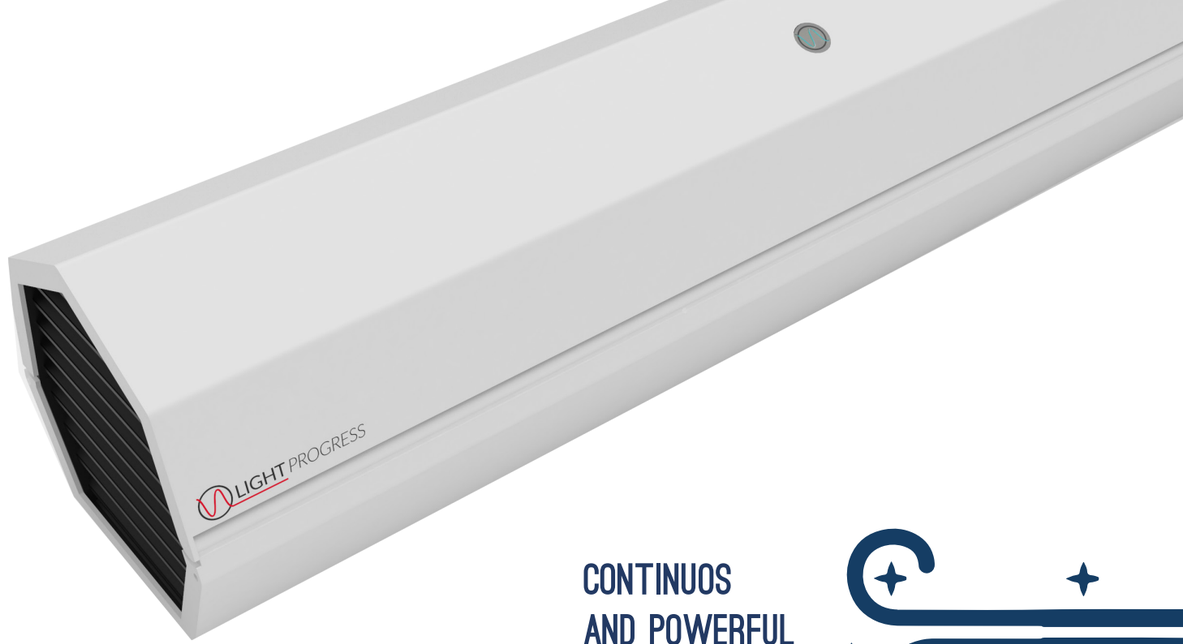
UV FAN XS



CONTINUOS
AND POWERFUL
DISINFECTION
OF THE AIR

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.**

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.

Buying a UVC air purifier, you must consider:

UVC output
The higher the UVC output of the lamps, the greater the result in terms of microbial elimination

Air Flow Rate / Change per hour
the Air flow rate or the number of air change per hours are very important because they determine the minimum time to ensure the safety of the air inside the room.
The greater this value, the faster all the air in the room will be secured.

Positioning
It is important to evaluate the possibility of treating the air using more than one sampling point, therefore more than one device; by taking air from more than one point, the action is more homogeneous.

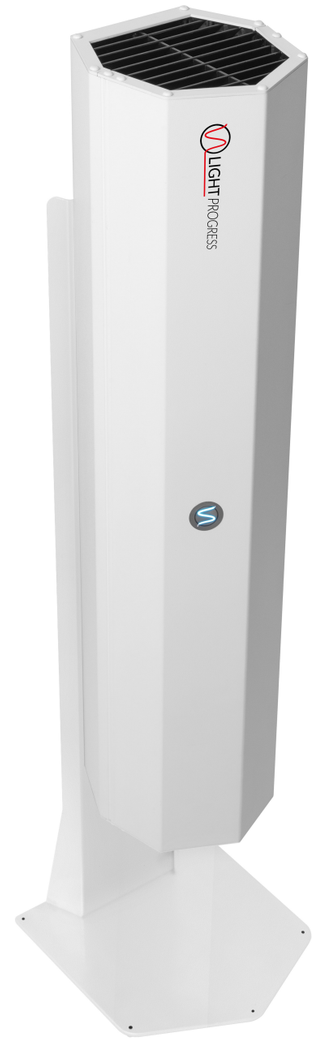
% of effectiveness on Bacteria and Virus measured on the outlet
This is the value that indicates the reliability of the germicide system. In the laboratory, it is possible to measure how many microbes are present at the inlet and how many are leaving the outlet. The manufacturer of the system should show laboratory tests during which certified instruments were used to measure these two values, otherwise you risk using a product based on uncertified “circumstance” statements.

Frequency of maintenance
The operation of common maintenance should avoid any contact with pathogenic microbes (e.g. Coronavirus.) Presence of filters, normally placed at the inlet, can be useful to retain larger or smaller particles, but need to be replaced frequently to keep their performances and contain and retrain contaminants! The presence of HEPA filters contributes to retain bacteria and presumably some viruses. However, it must be considered that handling and removing potentially contaminated filters without the necessary precautions could be dangerous.

TABLE - Tabella

UV-FAN-XS		
LAMP LIFETIME (hour)*	LEBENSDAUER STRAHLER (Stunden)*	≤ 18.000
POWER SUPPLY - TOTAL POWER SUPPLY	STROMANSCHLUSS - VERBRAUCH	220-240V 50/60 Hz - 70W
LAMP SIZES	ABMESSUNGEN	690 X 152 X h162 mm
AIR FLOW (CMH) air exchange volume covered in one hour	LUFTVOLUMEN in m^3/h) Behandlung in einer Stunde	70 m^3/h
C.M.T. REDUCTION (total microbial load)	REDUKTION C.M.T. (Mikrobielle Belastung)	>99,9%
PROTECTION RATING	SCHUTZART	IP 20
REPLACEMENT LAMP	ERSATZ-LAMPE	GHP-60WH

* continuous operation/durchgehender Betrieb 24/7



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