

# UV-FAN

**Disinfects your environment** and creates safe spaces since 30 years.

**And is ready for any pandemic.**

The efficacy of UVFAN has been tested and found very effective against bacteria, moulds and viruses by universities and laboratories.



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UV FAN 95HP



TESTED AGAINST SARS-COV-2  
**99.97%**  
AT EACH  
PASSAGE

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 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 and effective.



% 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 retain 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 - Tabelle

UV FAN		UV-FAN-M2/40H	UV-FAN-M2/95HP	UV-FAN-M2/95HP-ST <sup>(*)</sup>	UV-FAN-M2/95HP-BD <sup>(*)</sup> -Rc2	UV-FAN-M2/95HP-2BD <sup>(*)</sup> -ST <sup>(*)</sup> -Rc2
DIMENSIONS AXBXC (cm)	ABMESSUNGEN AXBXC (cm)	96x13x26	104x13x32	128x34x40	104x14x41	128x34x46
AIR FLOW (CHM) covered volume	LUFTSTRÖMME (m3/h) abgedecktes Volumen mc	70	150	150	150	150
CONSUMPTION(W)	VERBRAUCH(W)	2x40 W	2x95 W	2x95 W	2x95+90W (ext.)	2x95+2x90W (ext.)
UV-C POWER @253.7 nm	UV-C LEISTUNGEN bei 253,7 nm	28 W	60 W	60 W	60+30 W (ext.)	60+60 W (ext.)
T.M.L. REDUCTION	REDUKTION T.M.L.	up to / bis zu 99%	up to / bis zu 99,9%	up to / bis zu 99,9%	up to / bis zu 99,9%	up to / bis zu 99,9%
EFFECTIVE ON :	WIRKSAMKEIT EIN	BACTERIA: Mycobacterium tuberculosis, Escherichia Coli, Legionella pneumophila, Pseudomonas aeruginosa, Salmonella enteridis, Staphylococcus Aureus, Bacillus Antracis, Vibrio Cholerae, MRSA, Clostridium Difficile VIRUS: Influenza A/H1N1, Hepatitis A, COVID 2019, SARS, MERS, Rotavirus				
FAN Db	FAN Db	45 Db				
PROTECTION RATING	SCHUTZKLASSE	IP 20				
REPLACEMENT LAMP	ERSATZLAMPE	N°2 CHS-40WH	N°2 GHP-95WH	N°2 GHP-95WH	Internal: N°2 GHP-95WH	Internal: N°2 GHP-95WH
					External: N°1 CHS-90WH	External: N°2 CHS-90WH

\* BD model = + external lamp for direct irradiation/ + Strahler außenliegend für Direktbestrahlung  
\*\* ST model = purifier on wheels / Portabler Luftreinigern auf fahrbarem Podest  
\*\*\*model 240 or 110V available

