UV FAN

Professional UVC air disinfection unit for medium-sized and large rooms

Application

The UV FAN is used for disinfecting the indoor air in medium-sized and large rooms that are heavily contaminated with germs of all kinds. This equipment is preferably installed in the medical sector, such as treatment rooms, waiting rooms and various laboratories. This UVC unit can, of course, also be used in all other rooms that require the least possible contamination of the indoor air with bacteria, spores, viruses, mildews and other harmful organisms.

Characteristics

The installed UVC lamps emit light with a wavelength of 254 nm. This short-wave UVC radiation has a strong germicidal (bactericidal) effect on all microorganisms. The content of germs in the indoor air is reduced by up to 99%, depending on the time of exposure.

This chemical-free process is predestined for use in the medical field because no toxic by-products are generated and because UVC radiation overdosage is not possible. The UV FAN is additionally equipped with a TIOX filter to reduce odors. The TIOX filter is based on the TiO_2 photocatalyst technology. It contains a special gel which is activated by uv light to the effect that organic contaminants converted to benign 'ingredients such as water and carbon dioxide are. Even man-made odors and other organic compounds are reduced.
If the unit is to be operated continuously over 24 hours a day in the presence of persons, this is possible without any concern using the UV FAN without external lamp; this models are equipped with an integrated radiation barrier.

Technical data

Modell	Art. No.	Dimensions (cm)	Air flow rate (m^3/h)	Electr. power (W)	Number / power uv lamps (W)	Floor area (m^2) / Room volume (m^3)
UV-FAN M1/40H	A002811	95 x 26 x 13	70	70	1x 40 W	15 / 40
UV-FAN M2/40H	A003090	95 x 26 x 13	70	110	2x 40 W	15 / 40
UV-FAN M2/95-HP	A002820	104 x 32 x 13	150	220	2x 95 W	40 / 100
UV-FAN M2/95-HP-ST	A002821	123 x 32 x 13	150	220	2x 95 W	40 / 100
UV-FAN M2/95-HP-BD	A002822	104 x 40 x 13	150	220 + 95	3x 95 W	40 / 100
UV-FAN M2/95-HP-BD-ST	A002823	123 x 40 x 13	150	220 + 95	3x 95 W	40 / 100

Sound pressure level: 45 dB(A), protection class: IP 40

Options and equipment variants

- [H]: hour counter for monitoring the service life of the intern UVC lamp(s)
- [2H]: two hour counters for monitoring the service life of the intern lamps(s) and extern UVC lamp
- [P]: UVLON shatter proof for external UVC lamps
- [Rc]: Remote control to switch ON / OFF
- [Rc2]: Remote control to switch ON / OFF the internal and external UVC lamps separately

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Typical applications:

UV FAN in a waiting room

UV FAN in a dentist surgery

Examples of different variants:

UV FAN with dolly,
(e.g. UV-FAN M2/95HP-ST)

UV FAN with 4-wheel stand and external UVC lamp (e.g. UV-FAN M2/95-HP-BD)

UV FAN with external UVC lamp
(e.g. UV-FAN M2/95HP-BD)

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