

Industry: Health

# UV Fan M



## UV-C air Purifier

**UV-FAN allows deep air disinfection in any type of food environment. Traditional cleaning methods are, often, not sufficient to ensure high levels of hygiene, which can be achieved only by the use of UV-C technology.**

The big advantage of this machine is the ability to deal with the air of a room, 24 hours a day, without any contraindication for the staff present. Only a continuous disinfectant action can ensure the security to maintain the microbial load always under control; on the contrary, an intense, but uneven, disinfection results in a fluctuating level of germs present in the environment.



## Installation

These devices (except for the models with support) should be installed on the wall, at the centre of the room, about 2 m. above ground level (avoid positioning at corners; the air captured and treated by the device must be allowed to circulate through the room unhindered). The area or cubic area covered by UV-FAN devices is detailed in Table 1.

The final result of the disinfection is however related to a higher or lower value of the outside contribution of germs in the air during UV disinfection. To install the device on the wall use the two triangular brackets enclosed in the packaging. Screw the brackets to the threaded holes on the back side of the device by use of bolts (M6x10) enclosed in the packaging. Make nr 2 holes on the wall by checking the centredistance between the brackets. Secure the device to the wall by means of two expanding wall plugs (8 x 10 mm.) (not provided).

## WHAT ARE UV-C RAYS?

Light in a broad sense can be divided in visible, infra-red and ultraviolet rays. Ultra-violet rays (invisible) can be classified in:

- UV - A (with tanning properties)
- UV - B (with therapeutic properties)
- UV - C (with germicidal properties)

The germicidal effects of the UV-C radiation destroy DNA of Bacteria, Viruses, Spores, Fungi, Moulds and Mites avoiding their growth and proliferation.

UVGI technology is a physic disinfection method with a great cost/benefits ratio, it's ecological, and, unlike chemicals, it works against every microorganisms without creating any resistance.

## TECHNICAL FEATURES

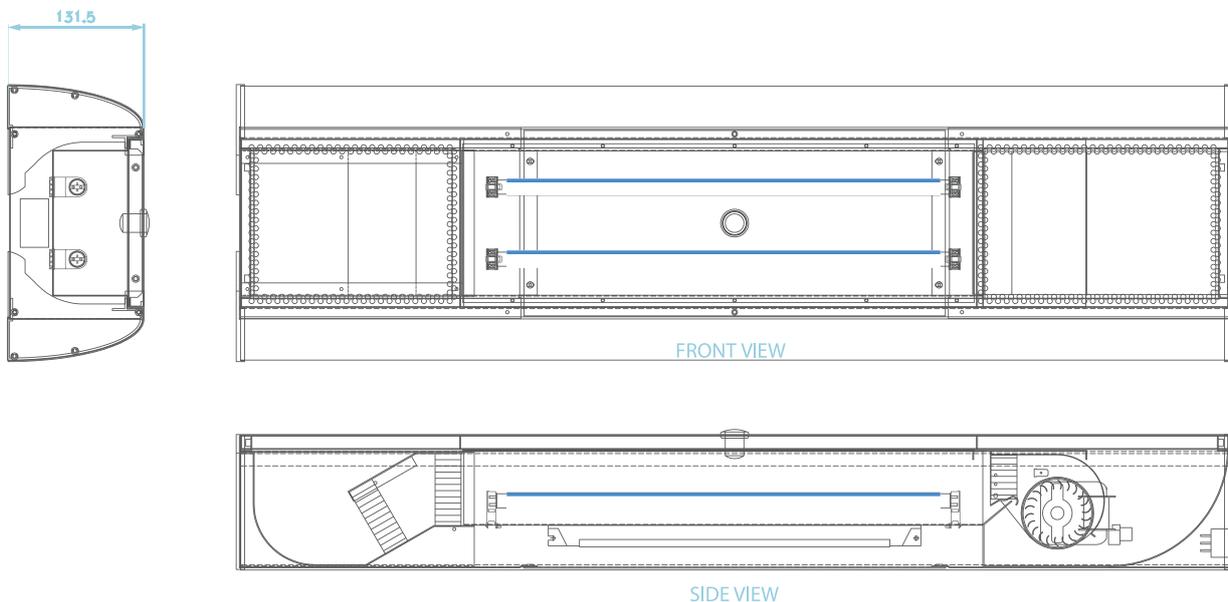
- UV-C Light Progress selective lamp (emission peak 253.7 nm.) with high output, ozone free, very pure quartz.
- Inner germicide mirrored chamber in mirror bright aluminium.
- Extruded aluminium body coated with epoxy powders.
- Use in presence of people.
- Continuity of treatment 24/24h - High power UVC.
- Special TiOx Filter for removing pollutants and inorganic substances (standard).
- Peephole for checking lamps.
- All materials are tested to resist to intense UV-C rays.
- Power supply with electronic ballast specific for Light Progress UV-C lamps.
- CE marking (LVD - EMC - MD - RoHS).

## TECHNICAL SPECIFICATIONS

UV FAN	UV-FAN-M2/40H	UV-FAN-M2/95HP	UV-FAN-M2/95HP-BD*
DIMENSIONS WxDxH (cm)	96x26x13	104x32x13	104x40x13
AIR FLOW (m <sup>3</sup> /h)	70	150	150
UV LAMPS Nr. POWER (W)	2x40 W	2x95 W	2x95+55 W
CONSUMPTION(W)	105 W	220 W	220+55 W
T.M.L. REDUCTION	>99%	>99,9%	>99,9%
IRRADIATION AREA (m <sup>2</sup> )(h=3 m)	20	40	40
IRRADIATION VOLUME (m <sup>3</sup> )	50	100	100
REPLACEMENT LAMP	N°2 CHS-40WH	N°2 GHP-95WH	Internal: N°2 GHP-95WH
			External: N°1 CH-55WH

\* BD model = + external lamp for direct irradiation

## TECHNICAL DRAWINGS



UV-FAN series includes a wide range of wall or wheeled (model -ST) purifiers, different according to the UV-C lamps power and size. UV-FAN has a epoxy powder-coated bearing structure in extruded aluminium sheet and a front cover with micro-holes, allowing air to enter and exit at both ends, making it pass through the TIOX® filter. The germicidal chamber houses the UV-C lamps and is built with a special very pure mirrored aluminium, which amplifies the disinfecting power of the lamps.



**S P E C T R A**

**PROFESSIONAL UV SOLUTIONS**

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