

UVC Air Purifier: UV-FAN-M2

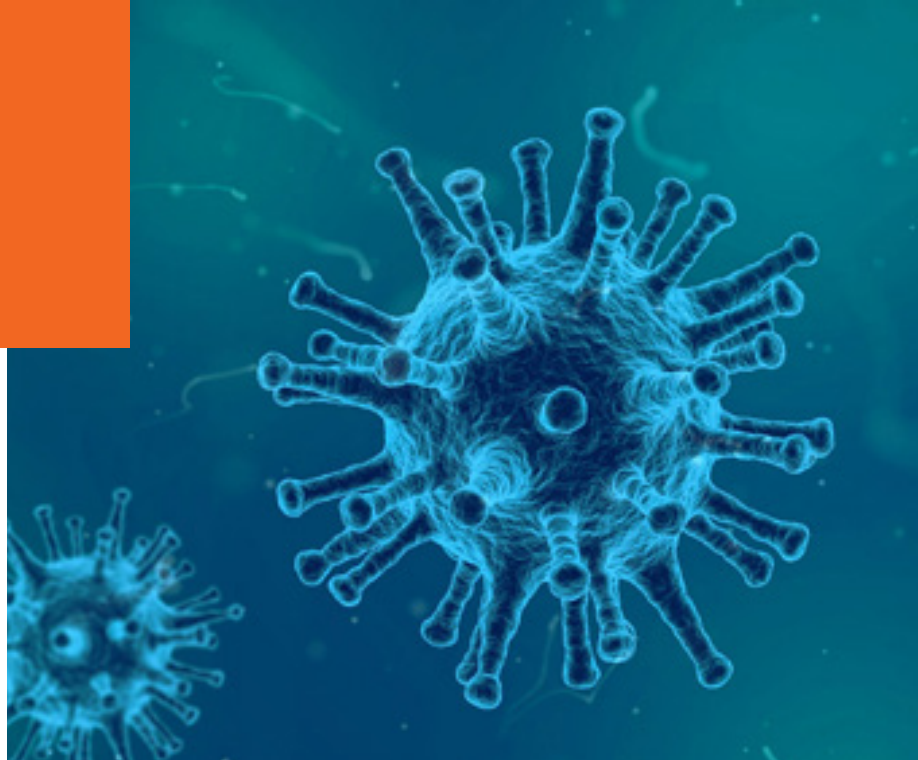
UV-FAN-M2

UV-FAN-M2 series by Light Progress of Italy is an UVC air purification device that can achieve a reduction of airborne microbial load by up to 99.9%.

It is constructed in extruded aluminium, coated by epoxy powder finish, and lacquered aluminium.

A quiet internal fan draws air into the germicidal box for disinfection and purification from microbes and chemical contaminants. Two UV-C lamps are housed in a mirror polished aluminium chamber which amplifies the germicidal power of the lamps by reflection. Air is sanitized by a labyrinth effect, passing across the 253.7nm UV-C lamps. Clean air is then introduced back into the environment, without contaminants.

Inside the box there are two TiOx filters to help remove Volatile Organic Compounds (VOC) from the air. Consisting of nanostructure titanium dioxide TiO₂, the UV-C light activates this to start a photocatalysis process which helps to degrade organic and inorganic pollutants.



WHAT ARE UV-C RAYS?

Ultraviolet Germicidal Irradiation is known since the 60's as a good physical method to control growth and distribution of microbial organisms, pathogens, spores, moulds, etc.

Light in a broad sense can be divided into the following, 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)

Advantages

- Effective disinfection of airborne contaminants, up to 99.9%
- TiOx Filters => VOC reduction
- Can be safely operated 24/7 whilst occupants are present
- No Ozone gas produced
- 253.7nm UV-C rays works against all bacteria, virus & mould
- Independently tested by University of Siena in Italy
- Long lamp lifespan – 2 years
- Minimal maintenance

Truly a versatile air purifier that can be used in many determinations such as:

- Residences
- Aged Care
- Hospitals, ICUs, Maternity wards, Surgical units
- Medical and Dental clinics
- Pharmacies
- Offices
- Restaurants and Hospitality venues
- Schools
- Laboratories





Key Benefits

- Tested and proven design against bacteria, virus and mould
- Totally safe to use whilst people are present
- No ozone generated
- Wall mounting or portable versions for simple and easy deployment
- Long lasting, minimal maintenance required

Technical Features UV-FAN M2/95HP (-ST)

- 2 x 95W Ozone-free, highly efficient selective UV-C lamps in 253.7 nm wavelength, pure quartz
- Germicidal inner box in pure mirror bright aluminium to enhance disinfection efficiency
- Extruded body made of epoxy powder coated and lacquered aluminium
- Continuity of treatment 24/7; suitable for use in the presence of personnel
- All used materials are tested to resist to intense UV-C radiation
- TiO₂ filter to remove organic and inorganic pollutants
- Porthole to check lamps operating
- Powered with electronic ballasts specific for UV-C lamps
- CE mark (LVD - EMC - MD - RoHS)
- 12-month Warranty backed by our NATA accredited service department



UV-FAN-M2	UV-FAN-M2/95HP	UV-FAN-M2/95HP-ST
Mounting Type	Wall Mounted	Portable Unit
Dimensions WxDxH (cm)	104x32x13	123x32x13
Air Flow (m ³ /hr)	150	150
UV Lamps Rated Power (W)	2x95 W	2x95 W
Total Power (W)	220 W	220 W
T.M.L. REDUCTION	>99.9%	>99.9%
Irradiation Area (m ²) (h=3 m)	40	40
Irradiation Volume (m ³)	100	100
Ingress Protection Rating	IP 20	IP 20
Weight (kg)	10	23
Replacement Lamps	N°2 GHP-95WH	N°2 GHP-95WH



The TiO₂® is activated by solar ultraviolet radiation (UV) or by an artificial source, such as the high emission UV-C lamps placed inside a UV-FAN device.

Why choose LAF Technologies?

LAF Technologies (Laftech) is an Australian owned and operated company that has been in the forefront of contamination control since 1987. Laftech has now teamed up with Light Progress of Italy to bring into Australia a high quality, tested and proven solution. We offer the widest product range of UVGI Devices on the market with renown Italian quality.

Benefits to the client:

- Widest range of UV products providing the most appropriate solution.
- Products validated through University testing.
- Local team to assist in presales and aftersales.
- Service and Spares support.

laftech
Contamination Control Solutions

Call: 1300 306 002



Accredited Laboratory