High performance professional Air Purifiers with UV-C technology

UV-FAN M2/95HP

UV FAN is an air purification device of a stylish structure in extruded aluminium, coated by epoxy powder finish and lacquered aluminium. A quiet internal fan draws air from the positioned room zone into the germicidal box for disinfection and purification from microbes and chemical contaminants.

The internal germicidal box contains two UV-C lamps housed in a mirror polished aluminium air flow chamber in which to improve the germicidal power of the lamps by reflection. Air is sanitized by a labyrinth effect, passing across the 254nm UV-C lamps. Clean air is then introduced back into the environment, without contaminants.

Inside the box there are two TiO_2 filters; (TiO2 stands for nanostructured titanium dioxide), this is a powerful photo-catalyst as the reaction generated degrades organic and inorganic pollutants including the membranes of pathogenic micro-organisms. TiO_2 enhances the effect of UV-C light; with its photocatalyzed effect actively targeting the elimination of odours.

With UV FAN, air purification can be safely operated 24/7 without contraindications, since the UV-C light is completely confined within the device, thus ensuring the complete safety of people and pets as present. UV FAN also comes with a special porthole for safe visual inspection of active lamp operation.

UV-FAN series air cleaners exploit the properties of germicidal ultraviolet lamps UV-C with peak emission at 254 nanometres. Germicidal Ultra Violet irradiation has a proven, strong germicidal effect against micro-organisms (moulds, bacteria and viruses).

The possibility to continuously operate the UV FAN 24/7 allows for "air washing" - the ability to continuously clean the flow of air in the room.

From the start of the operation, a significant reduction in contaminants is achieved right down to continued, further negligible reductions of microbial residue present in the target room zone.

Thanks to its small size and stylish European design UV FAN is 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

UV-FAN can also be used in the food production, catering and packaging sectors, where mould and bacteria are best removed from the air, allowing for longer and healthier preservation of products.

UV FAN can be wall mounted / installed by a qualified Electrician. We can also supply UV FAN with an optional wheeled support for transportable Plug and Play operation.

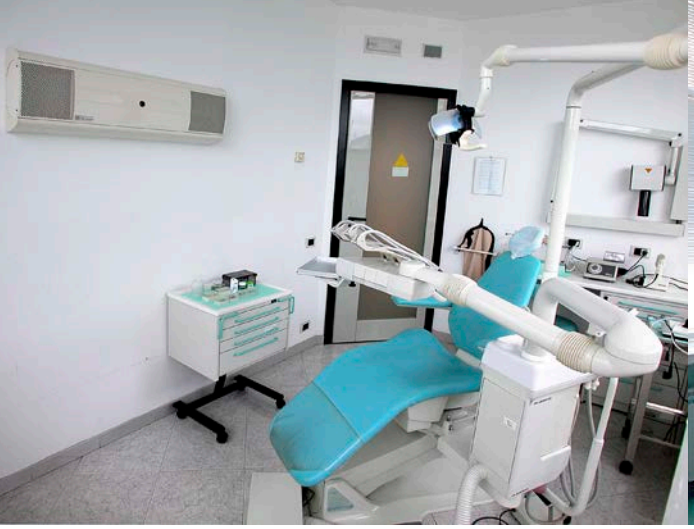
WHAT ARE UV-C RAYS?

Light in a broad sense can be divided. 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)

UV-C technology is a physic disinfection method with an optimal cost/benefit ratio, it's ecological and unlike chemicals it works against every micro organism without creating any resistance. No nasty chemicals.



Technical Features UV-FAN M2/95HP

- 2 x 95W Ozone-free, highly efficient selective UV-C lamps
- Wavelength 253.7 nm, pure quartz.
- Dimensions: 1040 x 320 x 130
- Weight: 10 Kg
- Power: 220-240V / 50Hz /220W
- Germicidal inner box in pure mirror bright aluminium
- Extruded body made of epoxy powder coated and lacquered aluminium
- Continuity of treatment 24/7; use in the presence of personnel-individuals
- All used materials are tested to resist to intense UV-C radiation
- TiO_2 filter to remove organic and inorganic pollutants
- Porthole to check lamps operating
- Powered with electronic ballasts specific for UV-C lamps
- ST (Code) for portable wheeled stand option
- CE mark (LVD - EMC - MD - RoHS).
- 12-month Warranty backed by our NATA accredited service department
- Note: LAF technologies Pty Ltd is NATA accredited for testing AS1807:23 UV-C intensity
- Dispatched with AS/NZS 3760 Test and Tag

Key Benefits

a) PHYSICAL ACTION AND ENVIRONMENTAL PROTECTION
Treatment by UV-C rays is purely physical, and achieves the same effect every time; with no continuous after effects. Unlike, many methods of chemical treatment which involve the use of dangerous products for the environment, are difficult to biodegrade, as carry the risk of contamination of foodstuffs. Also, by the use of chemicals alone it is possible to develop resistant microbial forms with consequent danger to human health.

b) TOTAL SAFETY
Ultraviolet rays are confined to the inside of the device and cannot escape due to the presence of a light-absorbent optical labyrinth at the entrance and exit. Therefore, the air can be treated when operators are present. Operators and human traffic represent a high level of cross contamination by introducing the majority of the germs through respiration, transpiration, clothing, etc.

c) BEST QUALITY AIR
This system can remain actively switched ON at all times without any contraindications for people. The level of environmental microbial load is thus maintained constantly low and the "indoor air" quality (IAQ) is improved, as prescribed and recommended by W.H.O. (World Health Organization).

d) PRACTICABILITY AND SAVINGS
The treatment is immediate and ready for use. The maintenance is minimal with low costs of both energy consumption and repairs.

LIGHT PROGRESS