UV-FLOW-C

Unidirectional flow UV-C Air Purifer / Sanitizer

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The UV-FLOW series includes radiant UV-C ultraviolet germicidal devices with unidirectional flow.

The UV-FLOW is used for creating UV germ protection barriers to be placed above the doors of the premises with contamination control or even for the treatment of air upper layers in the environment and in closed premises.

The use of UV-FLOW allows an intensive air sanitization, essential in all health and pharmaceutical premises, where it is necessary to operate in optimal microbiological conditions.

In the health sector, it is recommended to create a decontamination area between two adjoining premises, especially if one of them is to be kept under strict microbiological control. The mould spores and bacteria, freely circulating among premises, are destroyed by the UV-C rays; this avoids the possibility that they settle on the surfaces.

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.

With UV-FLOW, it is possible to create a bactericidal barrier between "grey" and "white" areas in a simple, immediate and secure manner, or treat the air in the premises in general, without developing heat, without chemicals and without any contraindications.

It is shown that the control and the increase of hygiene level allows a consequent and general increase in quality both in the health and pharmaceutical sector, in microbiological laboratories, etc.

UV-FLOW achieves the abatement (99%) of bacteria such as *Bacillus*, *Coli*, *Clostridium*, *Legionella*, *Vibrio*, *Salmonella*, *Pseudomonas*, *Staphylococcus*, etc. in just a few minutes of operation.

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.

Disinfection of air upper layers

Application example

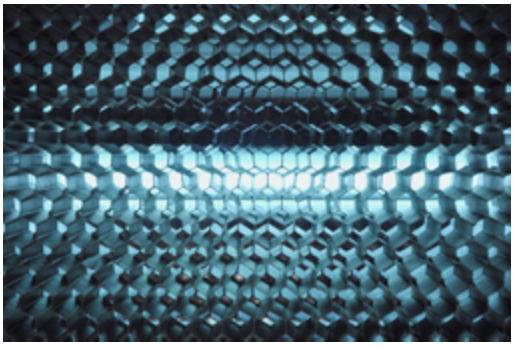
TECHNICAL FEATURES

s- UV-C Light Progress selective tube (emission peak 253.7 nm.) with high yield, ozone free, very pure quartz.

- Structure in AISI 304 stainless steel.
- All materials are tested to resist to intense UV-C rays.
- Dust and water resistant (IP 55).
- Power supply with electronic ballast specific for UV-C Light Progress ray lamps
- Honeycomb one-way black louvres.
- CE marking (LVD - EMC - MD - RoHS).

UV - FLOW

Deep disinfection



Detail of the honeycomb louvres

The UV-FLOW series includes the possibility to choose among unidirectional flow devices, different according to the UV-C lamp powers.

The UV-FLOW has a stainless steel structure and is equipped with directional black honeycomb louvres, which channel the flow of UV rays. The installation, owing to special brackets which direct the flow, can be made so to form a "UV blade", which, starting from the device, radiates towards the floor (UV-C barrier) or towards the ceiling, if the top layers of the premises are to be treated.

Pointing it towards the ceiling achieves a permanent disinfection of the environmental air, which circulates naturally inside the premise, following normal convective motions.

The UV-FLOW series is the only one to be specifically designed with this double purpose.

The UV-FLOW does not require any special maintenance, except for the periodical replacement of the lamps, it is entirely built in Italy, with high quality and extremely resistant materials.

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