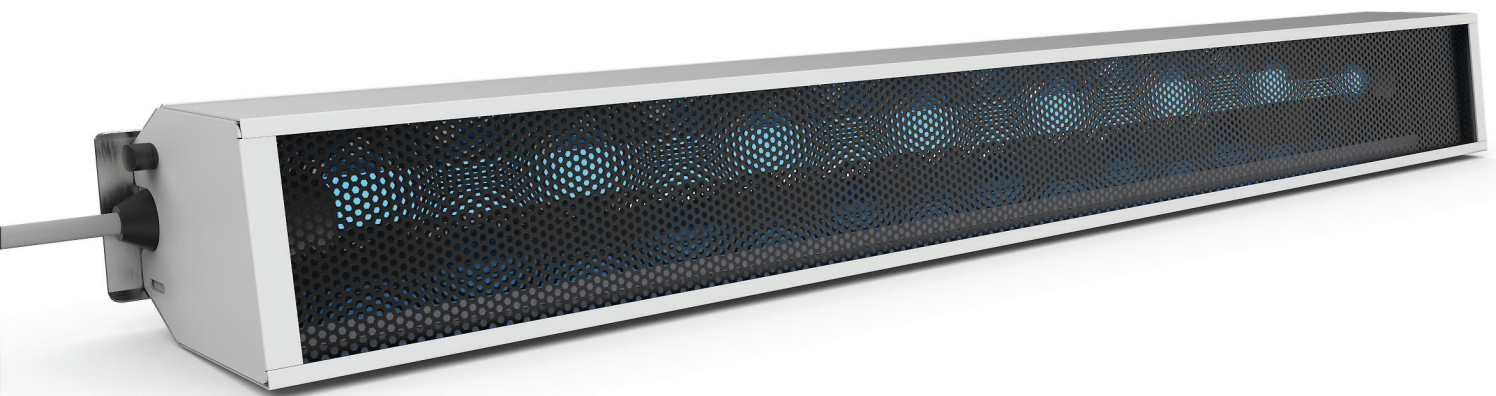


Industry: Health

UV-FLOW-C-WH



Unidirectional flow UV-C system

The UV-FLOW series includes UV-C ultraviolet germicidal devices with unidirectional flow. It 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 disinfection, essential in all health and pharmaceutical environments, where it is necessary to operate in optimal microbiological conditions. 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 general, without developing heat, without chemicals and without any contraindications.

It is shown that the control and an increased 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 elimination (99%) of bacteria such as Bacillus, Coli, Clostridium, Legionella, Vibrio, Salmonella, Pseudomonas, Staphylococcus, etc. in just a few minutes of operation.



TECHNICAL FEATURES

- UV-C Light Progress selective lamp (emission peak 253.7 nm.) with high output, ozone free, pure quartz.
- White stainless steel AISI 304 body.
- All materials are tested to resist to intense UV-C rays.
- Dust and water resistant (IP 55).
- Power supply with electronic ballast specific for Light Progress UV-C lamps.
- Honeycomb one-way black filter.
- CE marking (LVD - EMC - MD - RoHS).
- Pure bright mirror aluminum reflector.
- Complies with the noise standards of Directive 2006/42/EC.
- Values measured according to UNI EN ISO 3746.
- Non-detectable and non-transmissible vibration values.
- Suitable for class 1 installations - protected areas.

UV - FLOW - DISINFECTION BARRIER

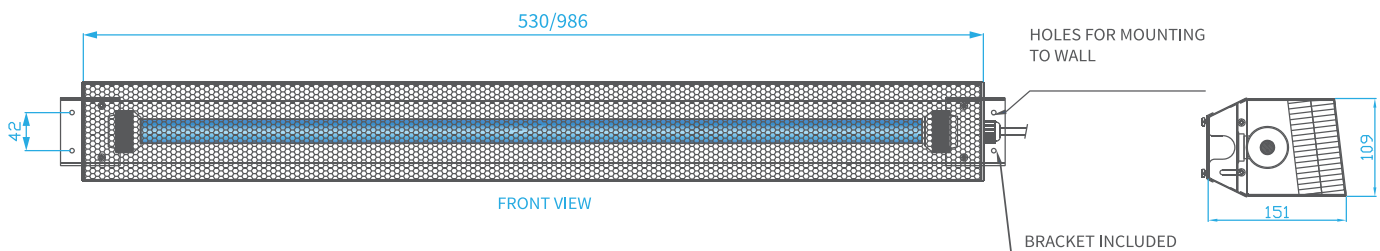
UV-FLOW has a stainless steel structure and is equipped with directional black honeycomb filter, which channel the flow of UV rays. The installation, owing to special brackets which direct the flow, can be made so to form a “UV blade”, which, starting from the device, radiates towards the floor (UVC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

TECHNICAL SPECIFICATIONS

UV-FLOW	E40H-C-WH	E75H-C-WH
LAMP LIFETIME (hours)*	≤ 18.000	≤ 18.000
CONSUMPTION (W)	35	56
EXTERNAL DIMENSIONS LxSxH (mm)	530X109X151	986X109X151
WEIGHT (Kg)	3	5
ACH (Equivalent Air Changes per Hour)	4 ÷ 6	4 ÷ 6
TREATED SURFACE (m ²) (10μW/cm ²)	10	15
MINIMUM CEILING HEIGHT (M)	3	3
PROTECTION RATING	IP 55	
FIXTURE MOUNTED HEIGHT (from under lamp) (m)	2.30	2.30
REPLACEMENT LAMP	n°1 CHS-40WH	n°1 CHS-90WH

* continuous operation

TECHNICAL DRAWINGS



INSTALLATION

The UV-FLOW - C-WH must be anchored at wall and can be oriented so to generate a horizontal flow or a vertical downward flow.

Horizontal Flow: This arrangement will create a “zone of intense radiation” below the ceiling, which destroys all airborne microorganisms, due to natural convection of air. The air, rich in microbes, is continuously treated and disinfected by the ultraviolet rays;

Vertical Flow: This arrangement is positioned above the doors of controlled contamination rooms (clean rooms), with air flow directed downwards. This arrangement generates a vertical air flow which produces a barrier against germs. For proper use you should create a decontamination area between two adjoining rooms, to be kept under microbiological and hygienic control. This zone can be made simply by a double opening, door and avant-door, just over the front door wide and about 1.5 to 2 meters deep. The use of the UV-C-FLOW WH allows intense disinfection of that contaminated air entering microbiologically controlled rooms when doors are opened. So it is necessary in healthcare where transmission of bacteria, viruses, and airborne spores is highly probable.



S P E C T R A[®]

PROFESSIONAL UV SOLUTIONS

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