

UV-FLOW-90H-C-WH

The UV-FLOW C-WH is a controlled unidirectional flow device, with a powerful UV lamp inside and a narrow emission peak at wavelength of 253.7 nm. (nanometers), which has a strong germicidal effect against all micro-organisms (molds, bacteria and viruses).

There is also a parabolic, mirror bright aluminum surface, which generates UV rays parallel beams by reflection. These beams pass through a black honeycomb laminated grid that directs UV rays to form a unidirectional flow ("blade UV"). When installed according to the instructions, this device can be used in the presence of people for intensive and continuous air disinfection.



KEY FEATURES

- Wall mounting UV-C solution for air treatment in closed spaces
- Ozone-Free, 235.7 nm., UV-C Quartz Lamps
- To be used 24/7 also in presence of people
- Available with Honeycomb grids to maximise irradiation
- Safety switch to prevent accidental exposure to people

TABLE

UV-FLOW	90H-C-WH
LAMP LIFETIME (h)*	≤ 18.000
POWER (W)	90 W
DIMENSIONS LxSxH	986 x 109 x 151 mm (38.82 x 4.29 x 5.94 in)
WEIGHT	5 Kg (11,02 Lb)
MINIMUM CEILING HEIGHT FT	3m (9.84 Ft)
FIXTURE MOUNTED HEIGHT (from under lamp)	2.30 m (7.54 Ft)
FLOOR AREA COVERAGE [$> 10\mu\text{W}/\text{cm}^2$]	16 m ² (172,22 Ft ²)
ACH (EQUIVALENT AIR CHANGES PER HOUR)	4 ÷ 6
PROTECTION RATING	IP 55
REPLACEMENT LAMP	n°1 CHS-90WH

* continuous operation

Installation instructions

The UV-FLOW-...H-C-NX/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.



TECHNICAL DRAWINGS

