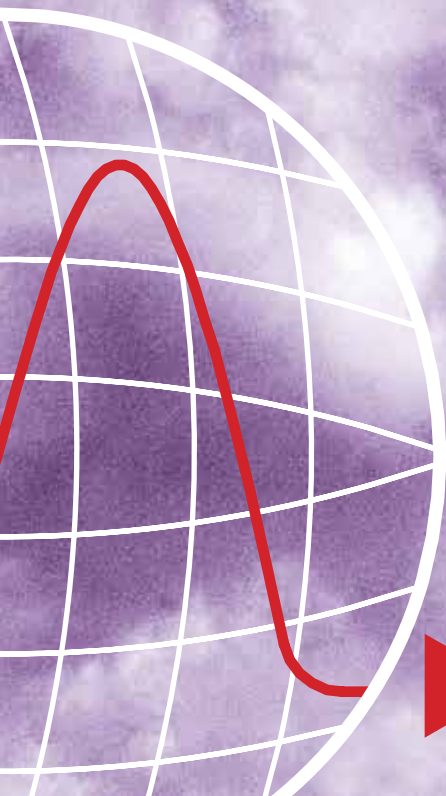


UVGI Device for Direct Irradiations



LIGHT PROGRESS

UV-STICK E2/75H-ST-NX-NT



UV-STICK E2/75H-ST-NX-NT

Germicidal UV-C Device for Disinfection by Direct Irradiation Portable on wheels



UV STICK E2/75H-ST-NX-NT is a two lamps germicidal device, placed on a stand, with four wheels for easy mobility. It works on direct radiation at 360 degrees and sterilizes irradiated air and surfaces. The UV-C tubes, with emission peak at 235.7 nm. (nanometers), have a strong germicidal power against all micro-organisms (molds, bacteria and vi-ruses).

All equipment is composed of (picture 1):

A) Metal stand: painted steel base plate, with 4 swiveling wheels.

B) Control Unit: stainless steel (AISI 304), equipped with bipolar magneto-thermal switch, two rotary knobs for ignition delay and treatment duration setting, start/stop button, hour meter for UV tubes replacement.

C) UV unit: with 2 UV-tubes, protected by stainless steel grid (AISI 304). The body is made of stainless steel with mirror polished aluminium reflector, which increases performance reflecting a higher percentage of UV-C rays.

- Selective UV-C lamp (at 253.7 nm.) with high efficiency lighting.
- Stainless steel body AISI 304 .
- All materials used are tested for resistance to intense UV-C rays.
- Waterproof and dust-proof (IP 55) (Class II).
- Control Console (IP 20) grounded.
- Powered with electronic ballasts specific for UV-C rays lamps
- Reflector in extremely pure mirror bright aluminium.
- Direct protection of the lamp with a stainless steel grid
- CE mark (LVD - EMC - MD - RoHS).



OPERATING

Each **UV-STICK** series can be installed in any type of environment to achieve a deep disinfection of air and surfaces, even those difficult to be reached by traditional systems.

When turned on, it gets a strong reduction of microbes in the air and on surfaces. For example, in 8 minutes at a distance of 3 meters, it achieves a 99% reduction of bacteria such as: Bacillus coli, Clostridium, Legionella, Vibrio, Salmonella, Pseudomonas, Staphylococcus, Streptococcus, etc..

Thanks to natural air circulation, even microbes located in hidden areas are continually drawn and their level progressively decreases.

The use is permitted only in absence of staff or if radiation is adequately shielded.

The device can operate during personnel break from work.



Timer can be used to manage the switching off immediately before the start of work, so that workers can have perfectly disinfected room.

Switching on and off is triggered by dedicated control unit, equipped with two timers to manage ignition delay and treatment duration.

BENEFITS AND ADVANTAGES

● DEEP AND CONTINUOUS DISINFECTION

This device can be switched on continuously without people being present (i.e. during the night for 2-3 hours). The disinfection of air, machinery, and everything that is contained inside the room allows beginning the work day in ideal hygienic conditions. In this way, the level of microbial load in one site is maintained constantly low.

● PHYSICAL ACTION AND ECOLOGICAL PROTECTION

Treatment with UV-C rays is purely physical, always allowing treatment with the same efficiency; there is no danger of overdosing. In contrast, many chemical treatment methods involve the use of products that are risky and difficult to biodegrade, with consequent hazards to human health; besides, the use of chemical products, in contrast to UV-C rays, could develop resistant microbial forms.

● PRACTICALITY AND ECONOMY

Treatment is immediate and ready to use. Maintenance is minimal with low costs of both energy consumption and maintenance.

● IMMEDIATE EFFECT

Effective treatment (99.9% bacteria reduction) takes just a few minutes.

● NO CHEMICAL/PHYSICAL CHANGES

Treatment is cold and dry; it causes no organoleptic or qualitative changes in the food.

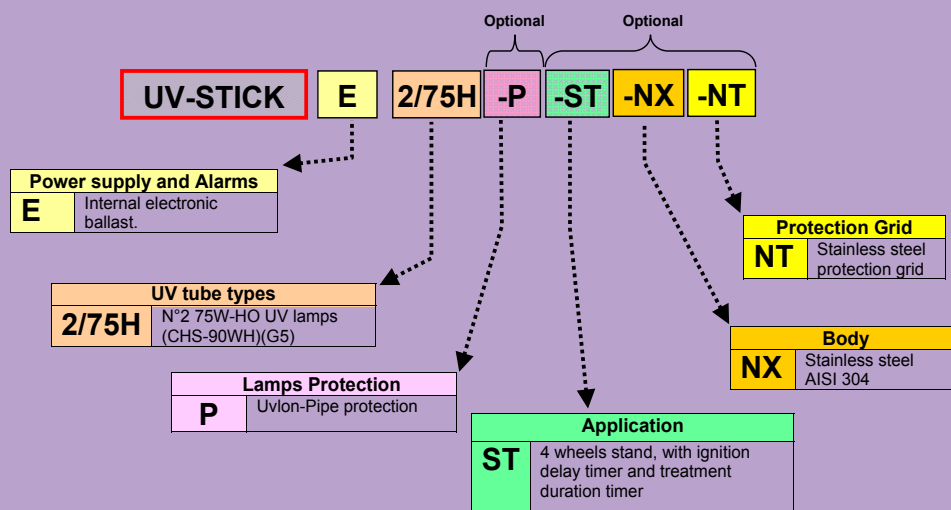
● NO DANGER OF GLASS DISPERSION

With special UVLON® protection, there is no danger of glass fragments dispersion resulting from any breakage of UV-C tubes.

MODELS CHARACTERISTICS

UV-STICK	E2/75H-ST-NX-NT
AVERAGE LAMPS LIFETIME (h)	9000
POWER (W)	2x75
DIMENSIONS LxSxH (mm.)	404 x 336 x 1420
WEIGHT (Kg.)	7
TREATED AIR VOLUME (m ³)	50 to 100
TREATED SURFACE (m ²)	15 to 30

MODEL CODES



LIGHT PROGRESS

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