



UV - BOX

UV-C germicidal box

UV-BOX preserves the hygiene of tools, containers and of any type of equipment in the health sector. As a matter of fact, commonly used objects in the health sector have the need to be disinfected to maintain high hygiene and quality standards, typical of this sector. With UV-BOX, it is possible to perform the disinfection of equipment and tools in a simple, immediate and safe way, without developing heat, without using liquids and without any contraindications.

The box is equipped with two UV-C lamps, installed in opposite positions, one on the top and one on the bottom, in order to radiate all surfaces to be disinfected and without any shadows. Moreover, the internal reflection increases the irradiation power, managing to significantly lower the exposure time required to achieve the disinfection level of 99.9%.

The use of the UV-BOX is indicated when it is required to preserve the sterility of the tools, even hours after washing, so that they can be used safely during operations.

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

The disinfection level with UV-BOX achieves the elimination (99%) of bacteria such as *Bacillus*, *Coli*, *Clostridium*, *Legionella*, *Vibrio*, *Salmonella*, *Pseudomonas*, *Staphylococcus*, etc. in just a few minutes of operation.

High disinfection levels of UV-BOX can be otherwise achieved, but only with chemicals, hazardous to health and harmful to the environment, as well as costly.



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.



Application



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fast, secure, automatic



TECHNICAL FEATURES

- UV-C Progress selective lamps (emission peak 253.7 nm.) with high output, ozone free, very pure quartz.
- Extruded aluminium body coated with epoxy powders.
- Window/s in clear anti-UV LEXAN®.
- Timer to set starts and stops.
- Safety switch to turn off the lamps at the opening of the door.
- All materials are tested to resist to intense UV-C rays.
- Power supply with electronic ballast specific for UV-C Light Progress ray lamps
- CE marking (LVD - EMC - MD - RoHS).



UV-BOX-E2 / 40H is a table container in extruded aluminium, coated with epoxy powder and equipped with a flat stainless steel grid to support objects and tools to be disinfected. This grid supports the stored items minimizing shadows and with very short exposure times for disinfection level arrives up to 99.99% . UV-BOX-E2 / 40H is equipped with two 40 W UV lamps.

The door has a clear window made in a special anti-uv polycarbonate and a position switch for turning off the lamps at door opening.

To start disinfection you just need to start the chronometer (door must be closed), UV lamps will switch ON. If you open the door during disinfection lamps will be immediately turned OFF for safety reasons; when you close the door lamps will turn automatically ON until the end of time set by chronometer.

UV-BOX-E2 / 40H is ready for use and 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.

