



## UV - PIPE-NX

### portable and ultra compact UV-C system

UV-PIPE-NX can be installed in places where space is very limited, for example for the disinfection of packaging film, conveyors, bottling lines for disinfection of bottles and their closing capsules, as well as the treatment of the same food products, decontamination from germs of the surfaces of the conveyor belts, of the products, of the packaging, etc.

The comfortable grip allows manual use for localised disinfection of surfaces, containers, products, subject to required precautions and UV ray protection.

UV-PIPE-NX is designed and conceived specifically for applications in the food industry, and that is why one of its features is also the IP65 protection level, allowing it to combine perfectly with damp environments and water splashes.

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.

As a matter of fact, food processes and storage have the need to be kept under control, by monitoring hygiene levels, to increase quality standards, which are usually very high.

It is shown how, in the food industry, an increased hygiene level allows a consequent and general product quality improvement. UV-PIPE-NX 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-PIPE-NX can be otherwise achieved but only with a massive use of chemicals, hazardous to health and harmful to the environment, as well as costly.



#### WHAT ARE UV-C RAYS?

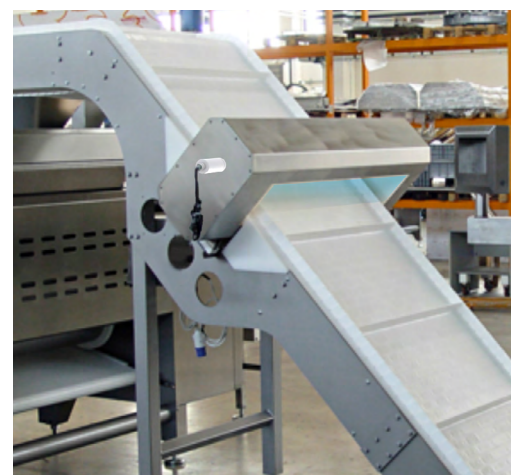
Light in a broad sense can be divided in visible, infra-red and ultraviolet rays.

Ultra-violet rays (invisible) can be classified in:

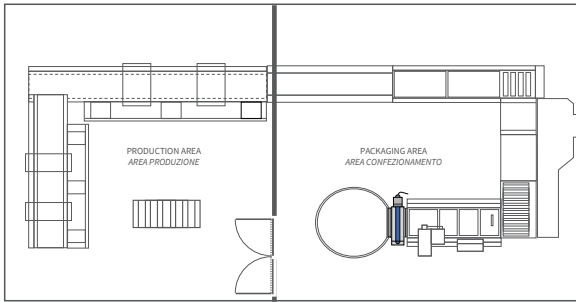
- UV - A (with tanning properties)
- UV - B (with therapeutic properties)
- UV - C (with germicidal properties)

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 in an industrial environment



Application scheme

## TECHNICAL FEATURES

- UV-C Light Progress selective lamp (emission peak 253.7 nm.) with high output, ozone free, very pure quartz.
- Structure in AISI 304 stainless steel.
- All materials are tested to resist to intense UV-C rays.
- UVLON PIPE protection from glass breaks.
- Dust and water resistant (IP 65- Class II- double insulation).
- Power supply with electronic ballast specific for Light Progress UV-C lamps.
- Ballast on board
- CE marking (LVD - EMC - MD - RoHS).

## UV - PIPE - NX

reduced space requirement, great results



Detail

UV-PIPE-NX consists of a case in AISI 304 stainless steel, with ultra compact dimensions, with an internal mirror bright aluminium reflector, containing a UV lamp and a nylon cylinder, which encloses the power supply ballast.

The UV-C lamp is protected by a pure quartz sleeve. The system reaches the protection class IP65. The quartz also performs the important function of protecting the UV-C pipe from low and high temperatures, creating an air cushion between the lamp and the external environment, thus increasing yield at the same time.

UV-PIPE-NX is a very handy portable device, owing to the cylindrical handle, made of insulating material. The miniaturized electronic ballast on-board allows to power directly the system just plugging it in.

UV-PIPE-NX can be combined with other modules for disinfection in "team" (battery), is available in various lengths and wattages to meet the different use requirements.

UV-PIPE-NX is ready to use and does not require any special maintenance, except for the periodical replacement of the lamps. The UV-PIPE-NX is entirely manufactured in Italy, with high quality and extremely resistant materials.