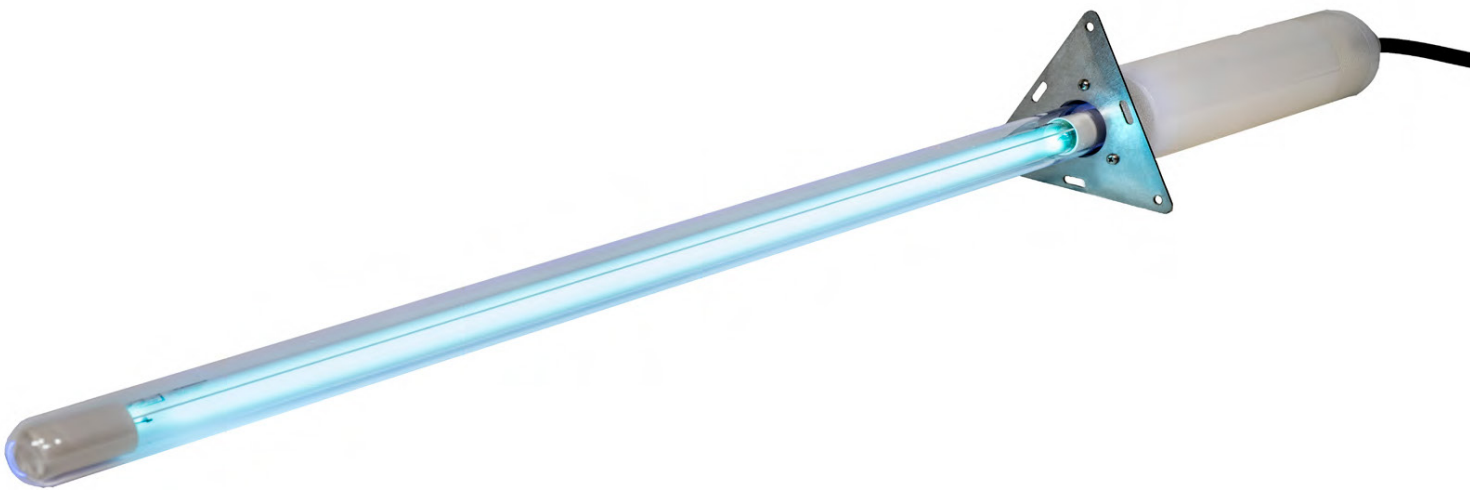


Industry: Food & Beverage

# UV - PIPE - F



**Compact and  
underwater UV-C  
system**

**UV-PIPE-F system is very simple, versatile and adaptable to different types of applications, from conveyor belts to silos, containers, food storage in general, and anywhere control is required as for hygiene level in a deep manner owing to an all-round radiation of the surfaces.**

UV-PIPE-F is designed 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.



UVPIPE-F achieves the elimination (99%) of bacteria such as Bacillus, Coli, Clostridium, Legionella, Vibrio, Salmonella, Pseudomonas, Staphylococcus, etc. in just a few minutes of operation.

### **Installation**

UV-PIPE-F can be installed in tiny spaces, for the disinfection of interior surfaces of containers, conveyor belts, etc.

To install the device, it's enough to make a Ø28mm hole, within the space you want to irradiate, as, for instance, the wall of a silos for food products storage.

Then, you should insert the device in the hole and tighten three screws in the triangular stainless steel AISI 304 flange; in this way the UV-C lamp will be inside the container, radiating its surfaces at an angular of 360 degrees, and the cylinder which include the ballast, and the electric cable will stay outside, ready to be connected to the power supply line.

### **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)

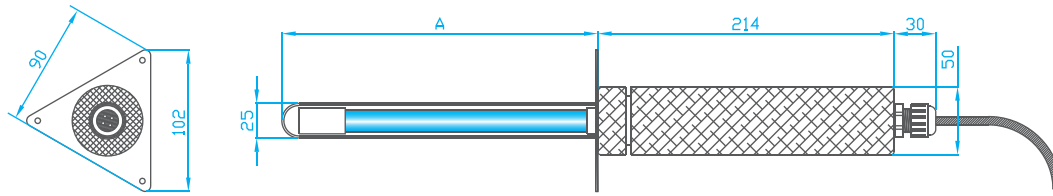
The germicidal effects of the UV-C radiation destroy DNA of Bacteria, Viruses, Spores, Fungi, Moulds and Mites avoiding their growth and proliferation.

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.

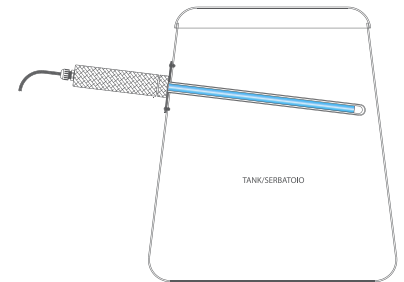
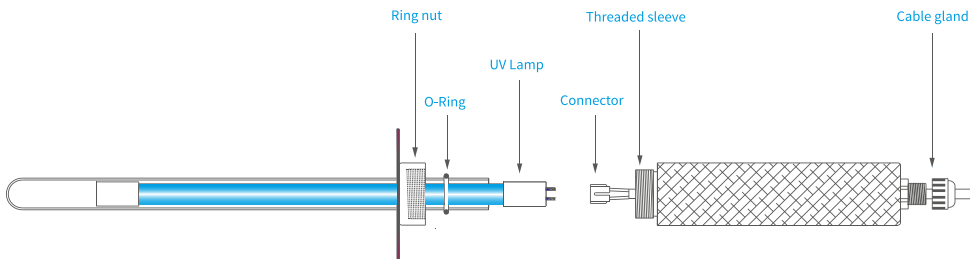
### **TECHNICAL FEATURES**

- UV-C Light Progress selective lamp (emission peak 253.7 nm.) with high output.
- All materials are tested to resist to intense UV-C rays.
- Stainless steel AISI 304 flange.
- UVLON PIPE protection from glass breaks(optional).
- 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).

## TECHNICAL DRAWINGS



MODEL	A	WATT
UV-PIPE-F-11	228	11
UV-PIPE-F-16	304	16
UV-PIPE-F-25	532	25



## TECHNICAL SPECIFICATIONS

UV-PIPE-F	11	16	25
LAMP LIFETIME (hour)*	≤ 18.000	≤ 18.000	≤ 18.000
TOTAL CONSUMPTION (W)	11	16	25
“A” DIMENSION (mm)	228	304	532
WEIGHT (Kg)	0,40	0,50	0,70
PROTECTION RATING	IP 65		
REPLACEMENT LAMP	n.1 GH2-11W	n.1 GH3-16W	n.1 GH5-25W

\* continuous operation

### UV - PIPE - F - underwater versatility

UV-PIPE-F consists of a UV-C radiation emitter bulb protected by a sleeve in pure quartz and a nylon cylinder containing the power supply. After the quartz, a stainless steel AISI 304 flange allows a simple installation.

The whole system is watertight (IP65).

Quartz also performs the important function of protecting the UV-C lamp from high and low temperatures, creating an air cushion between the lamp and the external environment, thus increasing output. The UV-PIPE-F is ready to use and does not require any special maintenance, except for the periodical replacement of the lamps.



**S P E C T R A**

**PROFESSIONAL UV SOLUTIONS**

Str. Zizinului, Nr. 110, 500407, Braşov, România  
[www.spectra.ro](http://www.spectra.ro) / [contact@spectra.ro](mailto:contact@spectra.ro) / (+40) 0770-187-379  
SPECTRA is a trademark of AKRO