

Industrial germicidal UV-C lamps:

- designed in IP 65 class granting dust and water protection
- reflector made of stainless steel
- tight dome, resistant to damages
- germicidal radiators with powers 2x 15, 2x 30, 2x 36, 2 x 55 W
- intensive UV-C radiation that eliminates bacteria, moulds, yeast and other microorganisms (microorganisms do not get resistant to UV-C light)

We select and manufacture germicidal panels for air disinfection in the ventilation ducts, depending on the profile and the air flow.

We make untypical installations for UV-C disinfection.

FLOW UV-C GERMICIDAL LAMPS SERIES NBVE disinfect the air at the presence of people

NBVE 60/30N
NBVE 110/55N



NBVE 60N
NBVE 110N



Without protective foil



With protective foil

In the industrial UV-C germicidal lamps we use bulbs with a special coating protecting from dispersing of shattered glass (s.c. anti-splash foiling). The protection complies with UE safety and HACCP system. The coating does not diminish the effectiveness of the germicidal action of the lamp.

Available foiled radiators with powers:

TUV 15,30,36,55,75 W TLD

TUV 18,36,55,60 W PLL



NBVE 60/30P
NBVE 110/55P

INDUSTRIAL UV-C GERMICIDAL LAMPS

Level of microbial purity

significantly increased

in the area of food, cosmetics and pharmaceutical production process



ULTRAVIOL



ULTRAVIOL

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UV-C radiation effectively eliminates bacteria, yeast, and fungi.

It allows to achieve a high level of purity in the production process.



Area and air disinfection. Additional protection against the secondary contamination of a package and a product before and after wrapping.

Microbiological contaminations

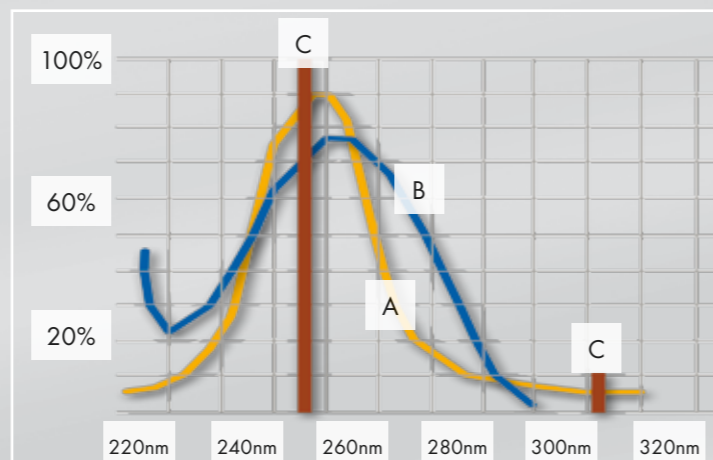
of the components, final products, packages, production lines, halls and the air, are real concerns of manufacturers for years. This problem acquires significant importance in the area of food, cosmetics and pharmaceuticals production, that purity is the condition of release for sales and – what is more important – the prerequisite for health and good reputation among customers. Ultra-viol Sp.j. is pleased to offer you modern and tested in the world devices, that application will solve these problems for ever.

Our method of primary and secondary microbiological contaminations involves the use of germicidal lamps emitting UV- C radiation of wavelength 254 nm. The light of such a wavelength effectively eliminates all kinds of microorganisms together with its sporulated forms, without the possibility of getting resistant to this method of disinfection. What is more the UV-C light deters rats, mice and other rodents. Using UV-C lamps – that for years were commonly applied in hospitals and other medical facilities – ensures in a cheap and simple way significant improvement in the microbiological purity of the products and allows to limit the number of expensive and harmful chemicals in the technological process.

Installation of the lamps does not require any modernization of the production lines or any special investments. Our lamps meet all requirements concerning electrical safety, are easy - mounted, UV – C radiators made by Philips ensure longtime and trouble- less work. Our company applied quality management system ISO 9001 and concerning medical devices ISO 13485, issued by TUV NORD.



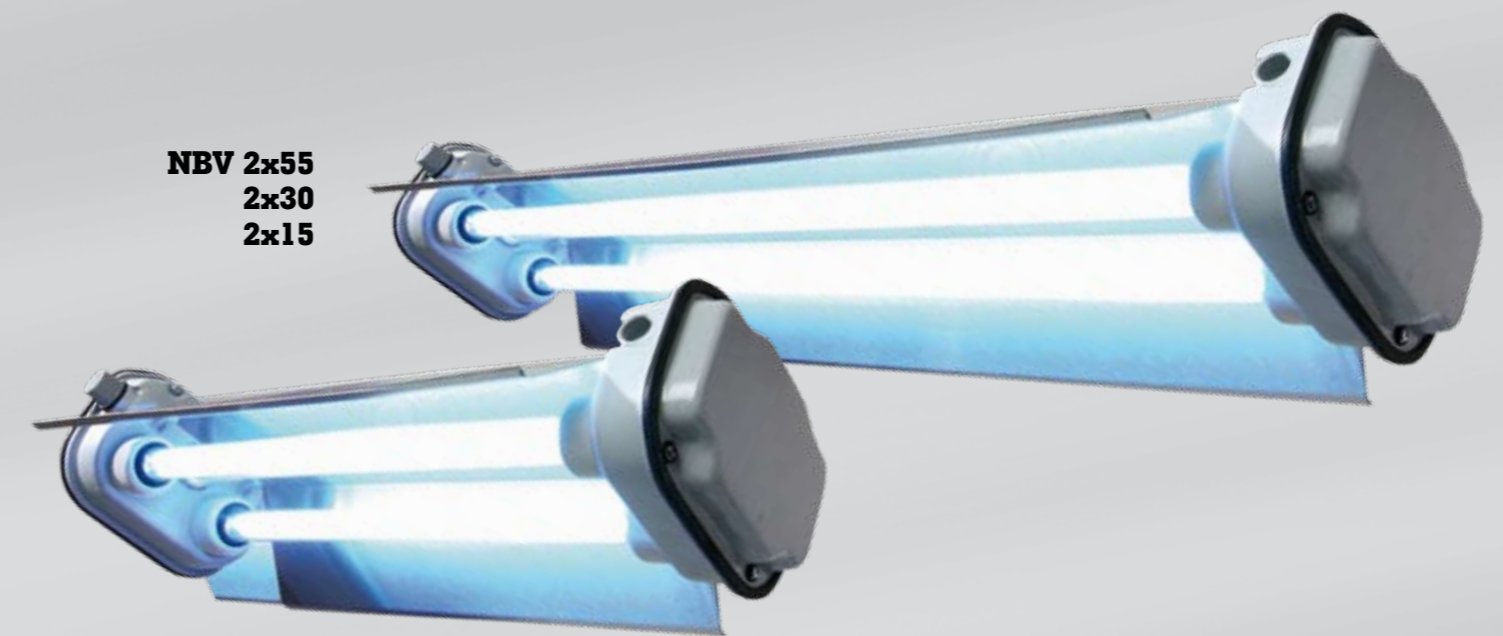
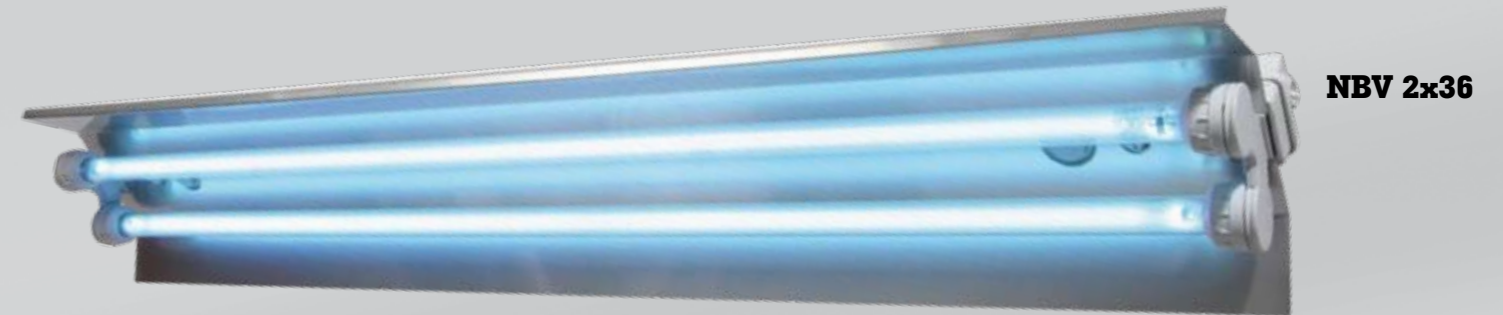
The germicidal action of the UV-C radiation consists of absorption of "UV radiant energy" by nucleic acids and proteins. The absorbed energy induces chemical reactions in cell nuclei and thus destroys microorganisms.



- A the greatest germicidal effect is obtained with the UV-C radiation within the wavelength range from 250 to 270 nm
- B curve of absorption of nucleic acids
- C cosmic radiation in the low pressure discharge of the mercury vapour

The most common applications of the germicidal lamps in industry:

- General disinfection of production halls and machines
- General disinfection of wrapping areas
- Spot disinfection of the feeder machine(belt) while wrapping
- General disinfection of transfer areas, sluices
- Disinfection of packages- containers, cups, lids, foils, tapes
- General air disinfection, disinfection of warehouses
- Secondary contamination prevention



Technical data - Industrial UV-C germicidal lamps

Typ lampy	NBV 2x15 IP65	NBV 2x30 IP65	NBV 2x36 IP65	NBV 2x55 IP65
Lamp type	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz
Supply voltage	37 VA	75 VA	90 VA	123 VA
Power requirements UV-C bulb	2xTUV 15W	2xTUV 30W	2xTUV 36W	2xTUV 55W
Radiation intensity of the external UV-C radiator at the distance of 1 m	1,0 W/m ²	2,6 W/m ²	2,8 W/m ²	3,1 W/m ²
Bulb service lamp	8000h	8000h	8000h	8000h
Class of protection against electric shock	I	I	I	I
Class of housing protection	IP 65	IP 65	IP 65	IP 65
Type of work	constant	constant	constant	constant
Dimensions	620 x 300 x 155	1100 x 300 x 155	1275 x 240 x 124	1100 x 300 x 155
Mass of the dome	2,7 kg	5,0 kg	3,2 kg	5,0 kg
Effective area of the lamp	spot	ok. 10-20 m ²	ok. 20-25 m ²	ok. 25-30 m ²