Germinicidal emitters direct

DISINFECTION OF AIR AND SURFACE WITHOUT PRESENCE OF PEOPLE

PROMOS

PROMOS S.R.O.

MANUFACTURING, SALES AND SERVIS OF MEDICAL EQUIPMENT

EXCLUSIVE REPRESENTATION OF ENRAF-NONIUS AND RECK TECHNIK GMBH FOR SR

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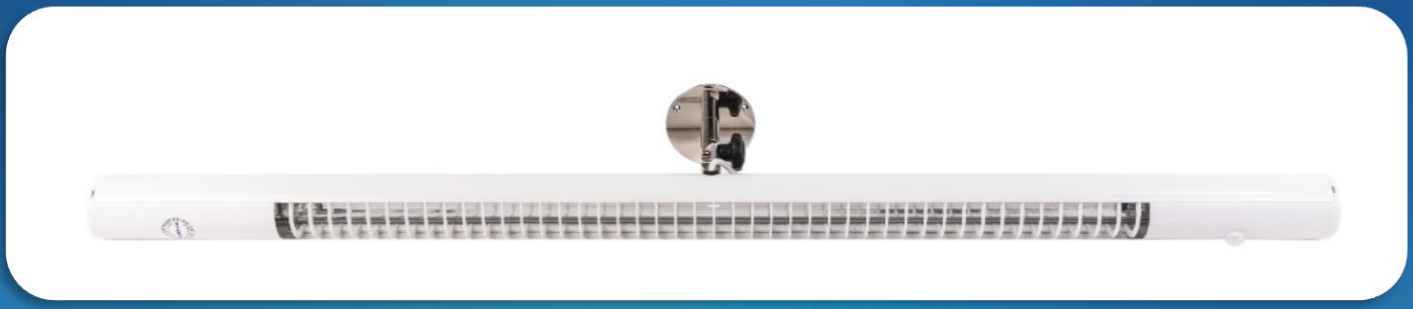


OPEN GERMICIDAL EMITTERS – DIRECT

Without the presence of people

Sterilization takes place by direct impact of radiation on the surface of objects, while the elimination of microorganisms happens simultaneously in the air and on the surface of the object where the light beam falls.
This type of radiator is used only without the presence of people.

Do you need to clean the area outside office or operating hours? Are you interested in coming to the disinfected area and start your working day?

WARNING

UVC radiation is dangerous for human health, damages eyesight and skin. Direct radiation can have a negative effect on some materials.

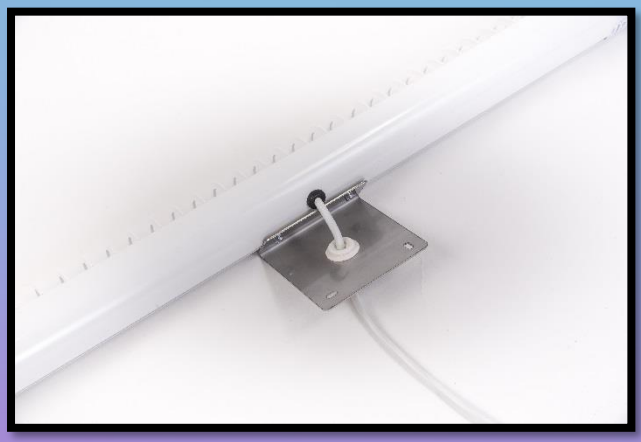
WHICH TYPE OF GERMICIDAL EMITTOR SUITS YOU?

We offer various designs and accessories of UV-C disinfection lamps.

MOUNTING

wall mounting

the possibility of a fixed joint



wall mounting

the possibility of flexible rotation

mobile stand

TECHNICAL PARAMETERS

OPEN GERMINCIDAL EMITTOR
basic model

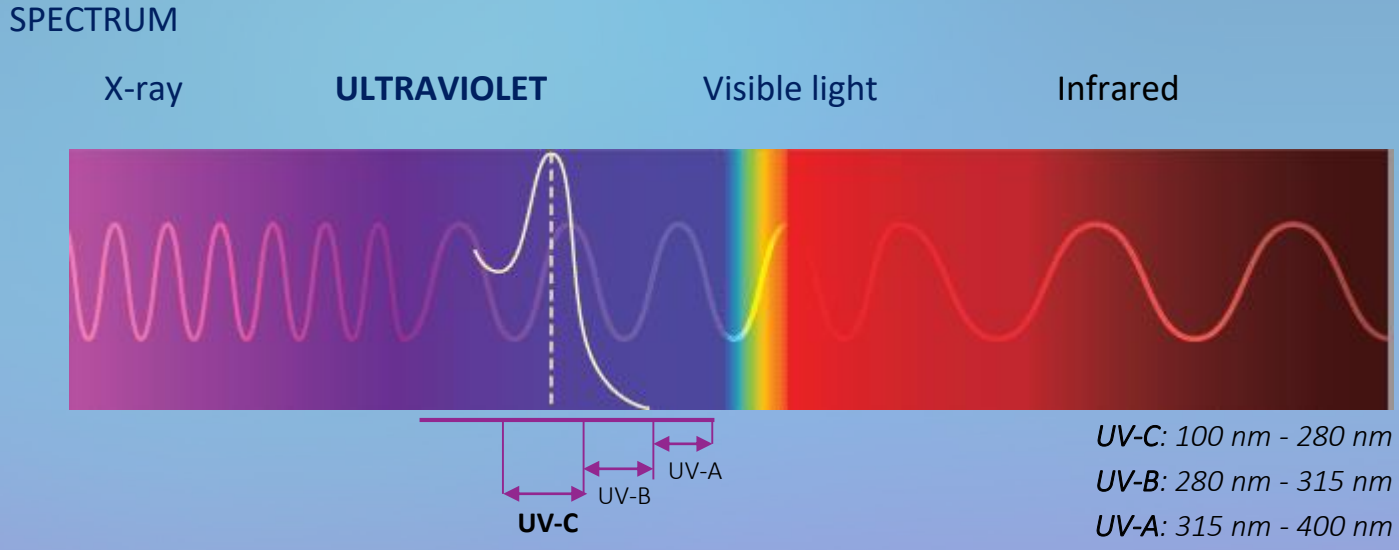
PROMOS GZ XXW – *wall model* PROMOS GK XXW – *jointed model* PROMOS GM XXW – *mobile model*	
Emitter Tube	Type: 784460 dural
Mounting /assembly	PROMOS GZ XXW: ceiling/wall assembly (vertical or horizontal) PROMOS GK XXW: ceiling/wall mounting (joint with the possibility of rotation) PROMOS GM XXM: mobile stand
Power supply	230V/50Hz
Power (XX W)	15/30//55/72/110 W
UVC source	OSRAM HNS / PHILIPS TUV 253,7 nm
Measurements[1]	PROMOS GZ XXW: 1100 x ø 65 mm PROMOS GK XXW: 1085 x ø 65 mm PROMOS GM XXW: 1320 mm, ∅ 65 mm, stand base 600 mm, height of the product above the floor in a vertical position 200 mm
Weight	PROMOS GZ XXW: net 1,8 kg PROMOS GK XXW: net 1,8 kg PROMOS GM XXW: net 6,9 kg
Colour	white RAL9003
Mirror	polished stainless-steel mirror or aerodynamic cover
Protective grid	3x divisions
Packaging	box/1 piece
Nonmagnetic	yes
Ozone free	yes
Warranty	24 months

OPTIONAL ACCESSORIES (+)	
Power control	Switch on the device Power switch on the power cord Remote control
Switch-clock	Model: SPH01 Model: SPH (ABB 3292A-A20301B)
Power cord length	0,75 m / podľa objednávky klienta

[1] * We can adapt the size of our products to the mini version - length 610 mm (only 36W power) and length 900 mm length

ULTRAVIOLET RADIATION

Ultraviolet light is part of the light spectrum, which is divided into three wavelength ranges UV-A, UV-B and UV-C.



Germicidal ultraviolet (UV-C) radiation - kills microorganism such as bacteria, viruses, mold, fungus and spores that transmit infections, cause allergies, trigger asthma attacks or cause other unhealthy effects. UV destroys the DNA of these microbial contaminants and makes them sterile. UV-C light with a wavelength of 253.7 nanometers is germicidal - i. destroys the DNA of bacteria, viruses and other pathogens, thus destroying their ability to multiply and cause disease.
Germicidal emitters can help keep a healthy indoor environment disinfected. Germicidal UV has been used safely and effectively in hospitals, clinics and laboratories for over 60 years. Our company has been operating on the Slovak market for more than 26 years.

BENEFITS OF THE USE OF ULTRAVIOLET RADIATION

Ultraviolet technology is a method of disinfection without the use of chemical elements. The device itself requires very little maintenance. Ultraviolet emitters use germicidal lamps that are designed and calculated to produce a certain dose of ultraviolet radiation.

DOSAGE OF UV-C EMITTERS FOR INDIVIDUAL TYPES OF MICROORGANISMS

Dose of radiation of UVC v µW/sec/cm² needed for 90% inactivation of microorganisms:			
Microorganism	**Dose**	**Yeast**	**Dose**
E. coli air bacteria	690	Bakery yeast	3 900
E. coli water bacteria	5 400	Brewer's yeast	3 300
Intestinal streptococci	4 000	Yeast for pastry	6 000
Parathyphal germs	3 200		
Hay bacillus	7 100	**Fungus**	
Hay spore bacillus	12 000	Spore head fungus	100 000
Diphtheria bacteria	3 370	Aspergillusamsterodami	66 000
Typhoid bacteria	2 140	Aspergillus flavus	60 000
Coli bacteria	3 000	Aspergillus niger	132 000
Mikrococcus pharoides	10 000	Green fungus (cooling device)	60 000
Neisseria catarrhalis	4 000	Mucor mucedo (meat, cheese)	65 000
Phytomonas	4 400	Mucor racemodus A	17 000
Proteus vulgaris	2 640	Mucor racemodus B	17 000
Pseudomonas seruginosa	5 500	Penicilinum digitatum	44 000
Pseudomonas fluorescens	3 500	Penicilinum expanatum	13 000
S. typhimurium	8 000	Penicilinum chrysogenum	50 000
Sarcia lutea	19 700	Penicilinum roqueforti (syry)	13 000
Sorratia moreaceus	2 420	F. copulariopsis brevicaulis	80 000
Baccilli dysenteriae	2 200		
Spirillium rubrum	4 400		
Staphylococcus epidermidis	1 840		
Staphylococcus aureus	2 600		
Streptococcus homolytius	2 160		
Streptococcus species	6 150		
Streptococcus viridans	2 000		