

GERMICIDAL EMITTER

Non-direct

AIR DISINFECTION IN THE PRESENCE OF PEOPLE



PROMOS

PROMOS S.R.O.

VÝROBA, PREDAJ A SERVIS ZDRAVOTNÍCKEJ TECHNIKY

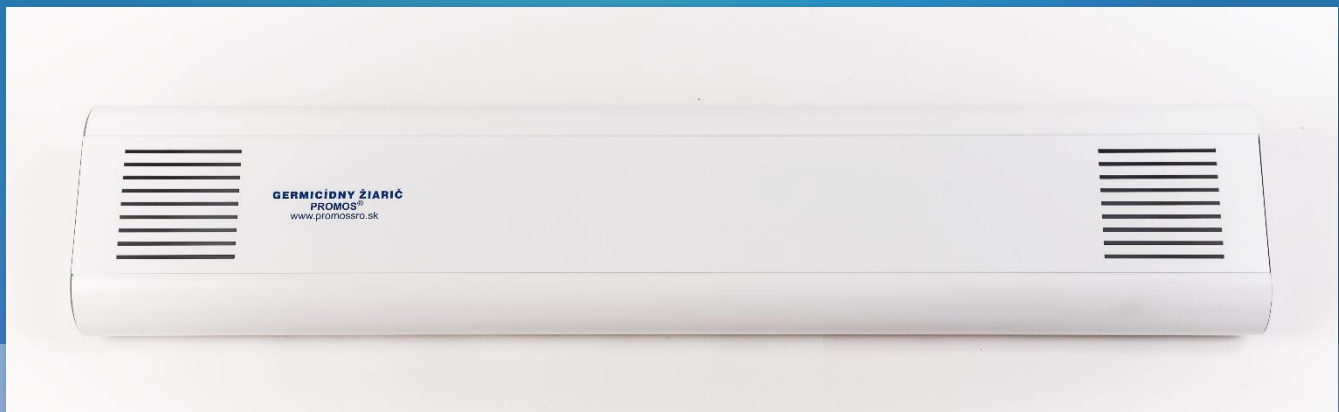
VÝHRADNÉ ZASTÚPENIE ENRAF-NONIUS A RECK TECHNIK GMBH PRE SR

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GERMICIDAL EMITTER ENCLOSED – NON-DIRECT

In the presence of people



Do you come in contact with dangerous microorganisms? Do you want to protect yourself, your employees, patients or clients from possible harmful microorganisms that are in the air? Your choice is a closed germicidal emitter.

Operation is safe in the presence of people

Sterilization takes place inside the device. It is a continuous cleaning of the air by its forced circulation around the UVC light source. During this process, the air inside the germicidal emitter is sterilized and the disinfected air comes out.

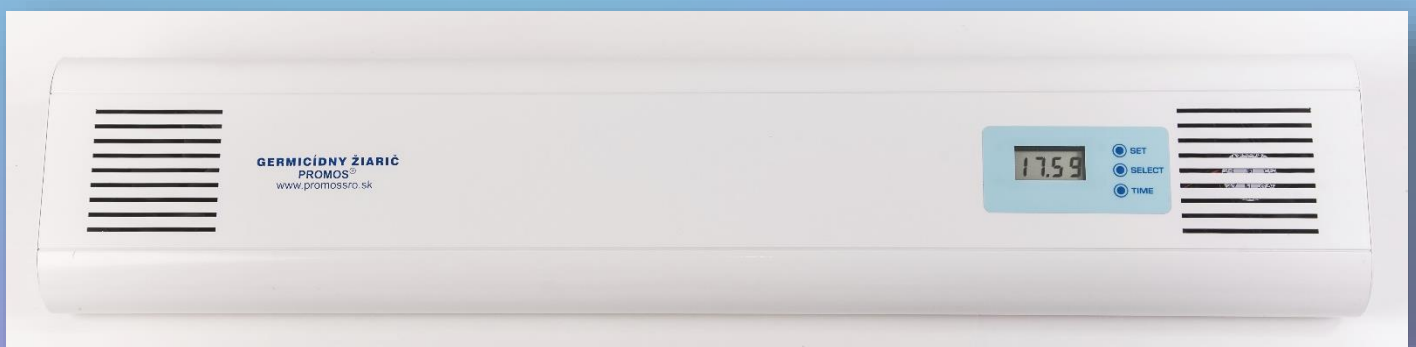
Enclosed radiators can be safely switched on in the presence of people, as light does not escape outside the enclosed space and cannot damage your health.

WHAT TYPE OF GERMICIDAL EMITTER SUITS YOU??

We offer various designs and accessories of UV-C disinfection lamp

MOUNTING

on wall or on ceiling



mobile stand



TECHNICAL PARAMETERS

GERMICIDAL EMITTER ENCLOSED

Basic model

| PROMOS G XXW A (+) – wall/ceiling model PROMOS GM XXW A(+) – mobile model | |
|--|--|
| Type of body | Type: dural |
| Design / assembly | PROMOS G XXWA: assembly on wall or on ceiling PROMOS GM XXWA: assembly on mobile stand |
| Power supply | 230V/50Hz |
| Power (XX W) | 15, 25, 30, 36, 50, 55, 72, 110 W |
| UVC source | OSRAM HNS / PHILIPS TUV 253,7 nm |
| Dimensions ¹ | PROMOS G XXWA (+): 815 x 165 x 70 mm PROMOS GM XXWA (+): 1230 x 165 x 70 mm base of stand \varnothing 600 mm height of product above ground in vertical position 200 mm |
| Weight | PROMOS G XXWA (+): 3,5 kg PROMOS GM XXWA (+): 7,9 kg |
| Colour | white RAL9003 |
| Noise (fans) | 26,9 bBA |
| Maximum airflow | 60 m ³ / hour |
| Fuse | I=6A/230V |
| Coverage | IP 20 |
| Packing | box/1 pcs |
| Nonmagnetic | yes |
| Ozone-free | yes |
| Warranty | 24 months |

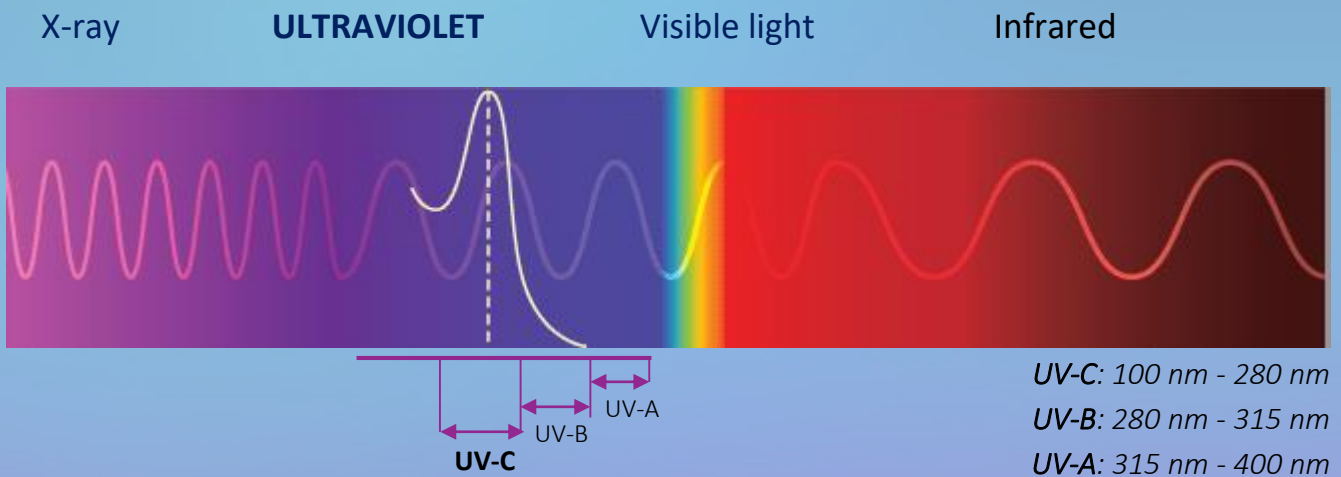
| OPTIONAL ACCESSORIES (+) | |
|--------------------------|--|
| Power control | Switch on device Switch on mains cord Remote control |
| Switch-clock | Model: SPH01 Model: SPH (ABB 3292A-A20301B) |
| Length of mains cord | 0,75 m / according to clients preferences |

¹ Technical parameters (performance, dimensions, etc.) can be adapted to customer requirements based on the order

ULTRAVIOLET RADIATION

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

SPECTRUM



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 $\mu\text{W}/\text{sec}/\text{cm}^2$ 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 | Aspergillus amsterodami | 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 racemosus A | 17 000 |
| Proteus vulgaris | 2 640 | Mucor racemosus 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 |
| Bacilli dysenteriae | 2 200 | | |
| Spirillum rubrum | 4 400 | | |
| Staphylococcus epidermidis | 1 840 | | |
| Staphylococcus aureus | 2 600 | | |
| Streptococcus homolytius | 2 160 | | |
| Streptococcus species | 6 150 | | |
| Streptococcus viridans | 2 000 | | |