

Microorganisms successfully destroyed by MidasAnAir units

bacteria

Bacillus anthracis (*Anthrax*)
 Bacillus anthracis spores (*Anthrax spores*)
 Bacillus magaterium sp. (spores)
 Bacillus magaterium sp. (veg.)
 Bacillus paratyphus
 Bacillus subtilis spores
 Bacillus subtilis
 Clostridium tetani
 Corynebacterium diphtheriae
 Ebertelia typhosa
 Escherichia coli
 Leptospira canicola (*infectious Jaundice*)
 Micrococcus candidus
 Micrococcus sphaeroides
 Mycobacterium tuberculosis
 Neisseria catarrhalis
 Phytomonas tumefaciens
 Proteus vulgaris
 Pseudomonas aeruginosa
 Pseudomonas fluorescens
 Salmonella enteritidis
 Salmonella paratyphi (*Enteric fever*)
 Salmonella typhosa (*Typhoid fever*)
 Salmonella typhimurium
 Sarcina lutea
 Serratia marcescens
 Shigella dysenteriae (*Dysentery*)
 Shigella flexneri (*Dysentery*)
 Shigella paradysenteriae
 Spirillum rubrum
 Staphylococcus albus
 Staphylococcus aureus
 Staphylococcus hemolyticus
 Staphylococcus lactis
 Streptococcus viridans
 Vibrio comma (*Cholera*)

molds

Aspergillus flavus
 Aspergillus glaucus
 Aspergillus niger
 Mucor racemosus A
 Mucor racemosus B
 Oospora lactis
 Penicillium expansum
 Penicillium roqueforti
 Penicillium digitatum
 Rhizopus nigricans

protozoa

Chlorella Vulgaris
 Nematode Eggs
 Paramecium

viruses

Infectious Hepatitis
 Influenza
 Poliovirus (*Poliomyelitis*)
 Tobacco mosaic
 SARS-CoV-2
 H5N1
 H1N1

yeasts

Brewers yeast
 Common yeast cake
 Saccharomyces carevisiae
 Saccharomyces ellipsoideus
 Saccharomyces spores

TECHNICAL DETAILS SU108 SU208 SU115 SU215 SU130 SU230 SU155 SU155

UV lamps power	8W	2x8W	15W	2x15W	30W	2x30W	55W	2x55W
UV lamps make	Philips / Osram							
UV generators lifespan	9,000h							
wavelength	254nm							
supply voltage	230V AC +/-10%, 50Hz							
grid connection	grounded socket							
rated power	8W	16W	15W	30W	30W	60W	55W	110W
presence allowed during operation	no							
running time	24/7							
PIR sensor	no							
wi-fi connection*	no							
electronic access timer & timer	on request							
dimensions (mm)	350x135x100	510x180x130	530x180x110	980x190x130	3.7	3.8	3.7	3.8
weight (kg)	1.2	2.3	2.4	3.7	3.8	3.7	3.8	3.8
warranty period	24 months							

* also access to Midas Online Platform

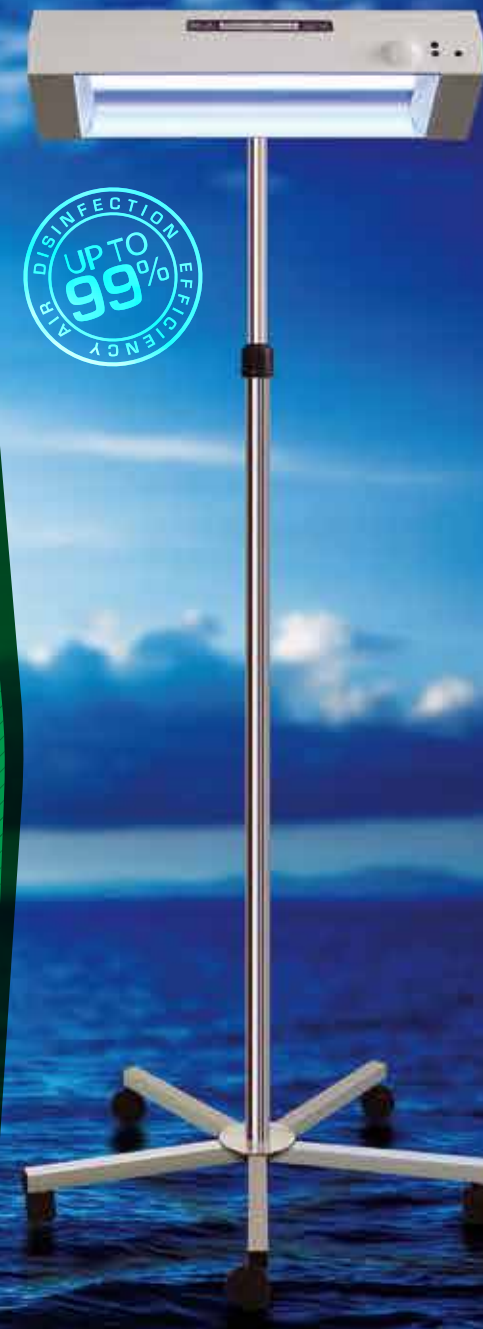


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MidasAnAir®

surface disinfection units
 with concentrated Flux of non-ionizing uv radiation



MidasAnAir
SU215A

How it works

The air loaded with microorganisms is driven inside the device by the air circulation system. Inside the device there are located UV-C generators whose radiation is concentrated through an ellipsoidal mirror system that forms a resonance cavity which leads to the maximum efficiency of the device.

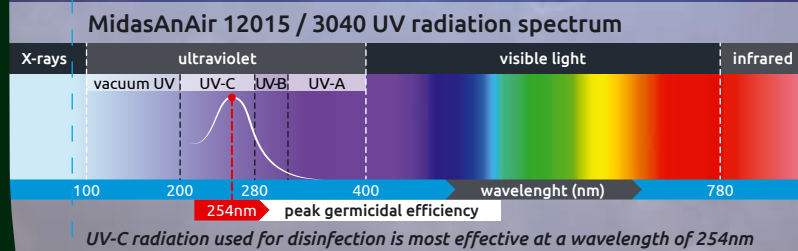
The air circulation time is carefully chosen, accounting the level of energy necessary for destroying every type of microorganism and the energy that is created by the generators. It is important to know that the use of this patented principle led to increased device efficiency.

The system was conceived and built to be completely harmless for humans and to have maximum efficiency.

The air from the enclosure is disinfected up to 99%

Features

- electronic timer for storing total functioning time of the ultraviolet generators;
- the system is based on a microprocessor that has permanent auto testing and monitoring functions of the device for detecting potential failures that may occur (UVC generator failure; air circulation system failure; exceeding functioning time of the UV-C generators), allowing the system to identify a potential partial or total inability of the device to disinfect the air;
- remote control for turning the device on/off and for setting the operating time, this should depend on the room's volume for an efficient disinfection and for a maximum life time of the generators.



Ultraviolet radiation facts

The ultraviolet radiation has a wavelength covering a spectrum between 100 and 400 Nanometres and can be found in the solar light. This type of radiation can be classified in three categories, based on its wavelength:

- UV-A radiation, ranging from 315 to 400nm wavelength;
- UV-B radiation, ranging from 280 to 315nm wavelength;
- UV-C radiation, ranging from 100 to 260nm wavelength.

Ultraviolet radiation has been used as a means of destroying airborne bacteria and disease when subjected to proper levels. The highest germicidal effect can be achieved at 254nm, when the radiation is best absorbed by the nucleus acids of microorganisms.

Key Benefits

- stops the spread of diseases and sicknesses;
- helps preserve the archived objects and documents;
- the resonant cavity generates a high level of energy per sq. cm., thus the level of microorganisms in the air is drastically reduced (93-99%);
- no toxic debris;
- totally eliminates the need for usage of chemical products, thus protecting the users and the environment;
- significant energy saving;
- ozone free.

Applications

MidasAnAir systems can be used as air purifier wherever there is a high risk of spreading viruses, airborne bacteria and diseases:

- hospitals, medical cabinets and sanitary units: operating rooms, isolation rooms, intensive care units, examination rooms, emergency rooms, bronchoscope / sputum rooms and waiting areas;
- pharmaceutical industry;
- general office space and receptions, public and private institutions;
- document archives, valuables and patrimony storage units;
- museums and rare / antique item preserving units;
- cosmetic and beauty saloons.