ADVANTAGES

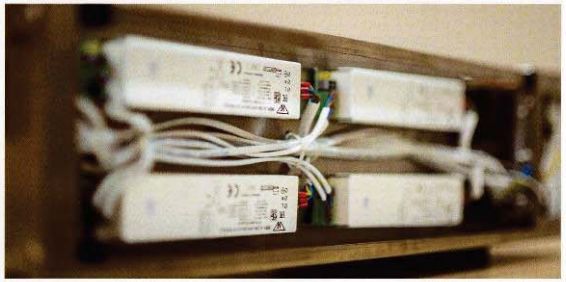
- ✓ High efficiency in air disinfection
- ✓ Ecological - no ozone emission
- ✓ A safe use of UV-C light inside the installation
- ✓ The operation of the installation in continuous mode with the possibility of use in the presence of people ensures the performance of work activities without interruptions
- ✓ Easy installation and maintenance

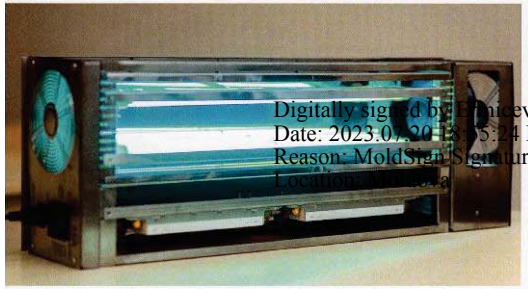
MODE OF EXPLOITATION

- ✓ in non-stop operation mode 24/7/375
- ✓ SDMA devices can be installed horizontally or vertically at a height of 1.5 from the floor level.
- ✓ It is recommended to install SDMA devices at a distance of about 0.4 m from the heat source.
- ✓ SDMA devices connects to electrical networks in accordance with European Standards in the field of electrical safety:. EN 60335-1:2012/A15:2021, EN 60601-1:2006/A1:2016/AC:2019, EN 61010-1:2010/A1:2019, DIRECTIVE 2014/35/EU

TECHNICAL PARAMETERS OF THE SYSTEM
SDMA UVAC-250
a medical device registered in the State Register of Medical Devices of the Republic of Moldova: DM000367363 on 18.08.2022.

Characteristics	Allowed Values
Nominal voltage, (AC) V	230
Current frequency, Hz	50-60
Rated current, A, max.	2,5-5
Noise level dB, max.	56
Weight kg, max.	24
Overall dimensions mm, max.	815x280x195
Volume of disinfected air, m^3/h	250



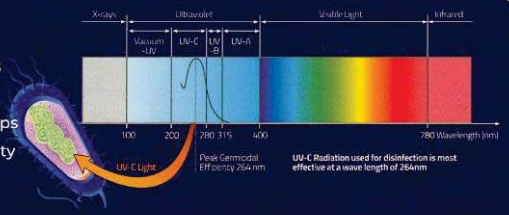


- The UV-C radiation with a frequency of 253.7 nm breaks down the sequence of DNA and RNA, leading to the destruction of the replication system of pathogens. Once the DNA and RNA sequence is no longer correct, they can no longer reproduce.

The UV-C light affects viruses and bacteria by destroying their ability to reproduce.

The destruction of the reproduction apparatus of the dispersed pathogenic microbes in the aerosol phase takes place by physical methods, during the displacement of the airflow with a fan through the channel of the air stream processing module with polished walls up to the mirror phase, amplifying the destruction of DNA and RNA structures.

UV-C Lamps - 9000 Life Hours
Electronic ballast - 50000 Life Hours
Fan - 110000 Life Hours
Electrical module - 20000 Starts/Stops
Stainless steel case - 50 Year Warranty



Medical Devices of the Republic of Moldova:
DM000367363 on 18.08.2022.

Ultraviolet Air Cleaner

AIR DISINFECTION SYSTEM SDMA UVAC
with Germicidal UV-C Lighting, by physical methods, NON-OZONE, in non-stop operation mode 24/7/375

LABROMED LABORATOR

- **DIPLOMA OF EXCELLENC**
  AWARDED TO THE INSTITUTE OF APPLIED PHYSICS, AND „LABROMED LABORATOR" SRL FROM THE NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT IN ELECTRICAL ENGIN, INSTITUTE OF ENGINEERING ICPE-CA BUCHAREST, ROMANIA INTERNATIONAL EXHIBITION OF INVENTICS INVENTICA 2022, IASI, ROMANIA
- **DIPLOMA OF TECHNOLOGICAL TRANSFER AWARD**
  AWARDED TO "LABROMED LABORATOR" SRL – MOLDOVA, IN RECOGNITION OF HIGH SCIENTIFIC CONTRIBUTION AND LOYALTY TO THE XXVI INTERNATIONAL EXHIBITION OF INVENTICS INVENTICA 2022, IASI, ROMANIA

Patent for invention
MD 1650 Y 20221130

Awarded with the Gold Medal
at the International Exhibition-2022, INTERNATIONAL EXHIBITION OF INVENTICS INVENTICA 2022, IASI, ROMANIA

AIR DISINFECTION SYSTEM SDMA UVAC (hereinafter, SDMA devices) are medical devices designed for:

- Prevention of aerosol spread of contagious diseases in closed spaces
- Air disinfection in the rooms of medical units with a high microbial load to reduce the risk of contamination of the medical staff
- Air disinfection in closed spaces of public institutions of all levels, including schools, kindergartens, medical facilities, nursing homes, industrial plants, the food industry, and also in locker rooms, shops, warehouses, waiting rooms, crowded places, etc.

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