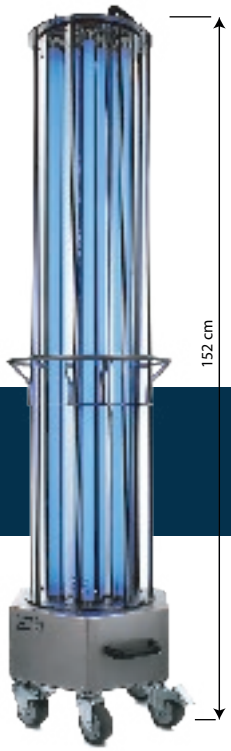
Equipment for disinfection
and neutralising viruses,
bacteria and pathogens using
UV-C radiation

UV-C equipment
for decontamination



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To address the pandemic related to the SARS-COV-2 coronavirus epidemic, **ZURAD Sp. z o.o.** which is a part of the **Polish Armaments Group**, provides several solutions of products designed for decontamination and the fight against bacteria, viruses and pathogens using UV-C radiation.

UVC System – description of the solution

The **UV-C** device is a portable module based on UV-C emitters designed to combat biological hazards. The effect of its operation is the ionisation of the air and the destruction of DNA and RNA of living organisms (viruses, bacteria, fungi, microorganisms) on any surfaces exposed to the high-energy UV-C radiation (this is the method used to disinfect treatment rooms in hospitals).

The solution is manufactured in a mobile (portable) version, in a configuration adapted to the user - according to the standards applicable to the production of military and medical equipment. The device ensures compliance with the requirements of applicable standards and certification (the holds the CE marking). It is resistant to vibrations, impacts and other operating and environmental conditions device.

The **UV-C** device can operate according to the selected operation mode with a pre-set operating time. The device has a range of 3-time settings depending on the level of disinfection required, and dedicated decontamination for specific organisms. These ranges of time settings are specified in the attached table for the user, which is an excerpt from the laboratory tests of the equipment. The operation manual provided to the user includes a clinical report. The device is mains-powered or powered from a dedicated **PowerBOX** module.

The device must not be used in the direct presence of people, as UV-C radiation can cause skin and eye irritation.

The method of controlling and protecting the device ensures its safe operation and use.

Technical parameters

Radiation range	From 200 nm to 280 nm (peak 254 nm)
Electrical power	450 W
Operating voltage	230 VAC
Distance from the illuminated surface	up to 2 meters
Decontamination level	up to 99,99 %
Illumination process cycle time	3 renges
Service life of UV-C emitters	Up to 9000 hours

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