



Mobile decontamination generator - DECON Professional



DECON Professional is an innovative, high-tech, powerful, stand-alone and ergonomically designed mobile device for microbiological decontamination of rooms.

- Easy operation (touch screen)
- Connectivity (phone, tablet, PC)
- Monitoring and recording parameter history
- Printing reports
- High microbiological efficiency (EN 17272:2020)
- Ecological integrity



PIO Flash®



General

The DECON Professional mobile decontamination generator is an innovative, high-tech, powerful, stand-alone and ergonomically designed mobile device for microbiological decontamination or disinfection of rooms. The device is characterized by the integration of the innovative PIO Flash® distribution system, while using modern measuring and communication technology with increased disinfection capacity. The entire decontamination process can be recorded in digital and physical form, as the device also has a built-in printer for reports. In addition to high efficiency the ergonomic design and a stainless steel construction give special value to the device, which ensures mechanical and chemical resistance to external influences that occur during use and transport. The size, weight and shape of the device allow excellent transfer between individual facilities for decontamination inside the buildings.

Operating principle

DECON Professional is distinguished by modern management and wide possibilities of using modern communication connections. The device allows the user to enter and monitor key parameters on the implementation of decontamination using a touch screen and a wide range of other devices with which it is possible to connect to it. It is also crucial to record the history of already performed procedures according to the time and place of the test. The device provides a comprehensive insight into the processes before, during and after decontamination. A built-in measuring equipment makes it possible to record the parameters of the disinfectant distributed. The results of measurements can be monitored with the help of remote devices, which is an important contribution to a safer and more efficient use of the device. The operator is thus enabled to monitor the effectiveness of decontamination in the area.

Use

DECON Professional is a mobile version of the innovative decontamination generator, which must be properly installed in the decontamination room before its use. The software interface via the touch screen allows the operator to set the appropriate input parameters before decontamination. Connecting to remote devices allows a high degree of flexibility of use, as all input data can also be entered via external connectable units (phone, tablet, computer), which greatly simplifies and speeds up

the entire input process. During the decontamination process itself, it is possible to monitor additional measured parameters, which allow the operator to see the success of the procedure at any time. Due to its simplicity and efficiency, DECON Professional is suitable for decontamination of rooms in pharmacy, medicine and healthcare, as well as in hotels, restaurants, nursing homes, office buildings, cars, trains, planes and all other places where it is necessary to ensure an adequate microbiological level of purity. The device is intended

for larger spaces and at the same time more demanding users who want to obtain, in addition to effective decontamination, a complete picture of the process with appropriate documentation (parameter measurement, printout, history recording, monitoring via control system). The aerosol form of hydrogen peroxide after a certain time decomposes into water and oxygen, which are natural, completely harmless and environmentally present molecules. This gives the process significant ecological value.

Specifications

Device /Type	DECON Professional DGM-500-P
Outside dimensions H x W x D [mm]	1080x520x380
Weight (without agent) [kg]	45
Distribution system	PIO Flash®
Operation	Touch screen, WiFi
Operating time [min]	Up to 30 (accuracy 1 s)
Place volume for disinfection [m³]	Up to 500
Drop size [µm]	0 – 12
Power supply [V/Hz/kW]	230/50/1,7
Length of access cable [m]	5
Noise level [dB]	75
Disinfectant consumption [g/min]	100
Decontamination agent	Different concentrations based on H ₂ O ₂
Reduction of microorganisms	Up to Log 6
Container of decontamination agent	Plastic bottle 5 l
Material housing	AISI304 (1.4301), Ra ≤ 1,2 µm
Temperature, humidity, H ₂ O ₂ sensor	✓ ✓ ✓
Sensor H ₂ O ₂ LC	Optional
Printout	✓
Device operation DECON Clean	Automatically



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