



Mobile decontamination catalyst - DECON Clean



DECON Clean is an innovative mobile device for a quicker implementation of microbiological decontamination of rooms.

- Up to five times shorter neutralization cycle
- High efficiency and performance
- Flexibility in operation and use
- User friendliness and maintenance
- Reliable and quiet operation
- Ergonomic shape

General

DECON Clean is a mobile, highly efficient and ergonomically designed innovative device for the accelerating the execution of disinfection processes. It enables the decontamination cycle to be shortened (up to five times) by accelerating the creation of suitable conditions for the entry into a microbiologically cleaned room. The device can be used as a stand-alone device and at the same time connected to the DECON Professional high-tech device, which can be used to set and manage parameters. In this case, the effect of the quick neutralization can be monitored via externally connectable units (telephone, tablet or PC).

An ergonomic design and a stainless steel construction give the device a special added value, which guarantees mechanical and chemical resistance to external influences that can occur during its use and transport.

Operating principle

DECON Clean enables faster decomposition of the decontamination agent (hydrogen peroxide) in aerosol or gas form, with using an intensive air flow through a special medium. The neutralization process is usually a longer process that significantly influences the duration of the entire disinfection with the possibility of safe re-entry into the microbiologically cleaned area. This process can be carried out naturally through decomposition into oxygen and water, but can also be accelerated significantly (up to five times) with the help of an innovative technological catalytic process, triggered by the medium in the DECON Clean device. The speed and efficiency of the entire disinfection cycle, together with the DECON Clean device, are decisive advantages of the DECON product family.



PIO Flash®



Use

DECON Clean is a mobile, innovative device of the DECON device line. It is always used in combination with other mobile decontamination generators (DECON Mini, DECON Classic or DECON Professional). The device can be controlled via a digital timer on the device itself or via a cable connection to other connectable devices (DECON Professional). The neutralization process is influenced by several factors: temperature, humidity, decontamination frequency, initial concentration, size of the room,

etc... The operation of the device continues until the concentration in the room falls below the limit value for a constant presence of people.

The mobility of the device is characterized by four rotating wheels. These wheels allow the device to move easily inside the room and to install it in the desired position. If you are using a DECON Clean device, place it in the middle of the room. When using several devices, place them evenly in the room to shorten the decontamination time through a better air circulation in parts of the

room that are difficult to access.

Like all other decontamination generators in the DECON family, the DECON Clean device is used for the microbiological cleaning of rooms in the pharmaceutical, medical and healthcare sectors due to its simplicity and efficiency. The shortening of the time required to ensure sufficient microbiological cleanliness is also an important achievement for hotels, restaurants, nursing homes, business facilities and the efficient and safe implementation in public transport.

Specifications

Device/Type	DECON Clean DKM-1000-D
Outside dimensions H x W x D [mm]	450 x 658 x 450
Weight (without agent) [kg]	28
Distribution system	PIO Catal
Shortening the natural neutralization cycle	Up to five times
Operation	Digital timer
Operating time [min]	0 - 9999 (accuracy 1 min)
Place volume for disinfection [m ³]	Up to 500
Airflow [m ³ /h]	1000
Power supply [V/Hz/kW]	230/50/0,2
Length of access cable [m]	5
Noise level [dB]	65
Decontamination agent	Different concentrations based on H ₂ O ₂
Material housing	AISI304 (1.4301), Ra ≤ 1,2 μm
Device operation	Manual/automatically



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