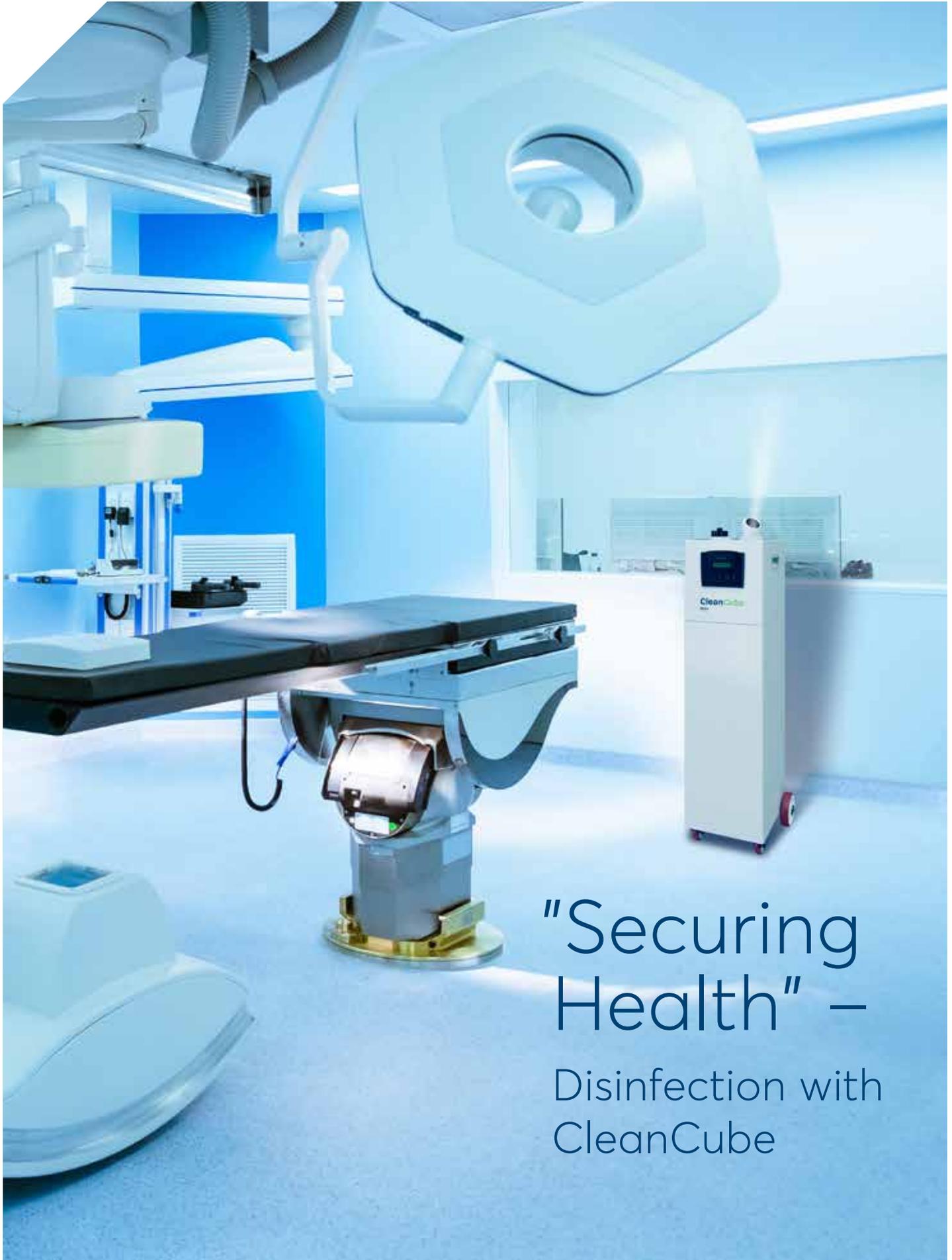




Steinermann

DISINFECTION



"Securing
Health" –
Disinfection with
CleanCube

Save time – improve hygiene!

The hunt for hidden spots, the struggle to cover all surfaces, is history using 3D DISINFECTION.
Your employees are free to cover other tasks.

Steinemann 3D disinfection process

All CleanCubes are designed, manufactured and tested in Switzerland. The high volume airstream of the vortex nozzle enables to provide the disinfectant distribution by atomization generating a fog for a gentle disinfection with no harmful residues. With all types, the disinfectant is dosed by fluid pumps.

The ultrafine fog droplets cover all accessible surfaces within a room due to the constant strong stream of airflow. Nothing is left behind, not even where access is most difficult, including gaps, cracks and corners. As the particles of the fog are extremely tiny, they increase substantially the surface contact, attacking bacteria membranes rapidly. This 3D disinfection process will normally take just a few minutes for a standard

sized room. After a defined waiting time to allow all particles in the air to settle and to impact on the micro-organisms inside the room it can be safely entered again, no rinsing or post-cleaning is necessary.

Steinemann 3D disinfection proves to be successful in fighting against resistant micro-organisms such as MRSA and nosocomial infections, thus achieving a reliable, flawless, time- and cost-saving air and surface decontamination. The **CE-conform** CleanCube family, together with the disinfectant CleanLine, according to **Afnor NF T 72-281** and license issued by **"Bundesamt für Gesundheit" (BAG)**, cover the diverse customer needs.



THOROUGH



SIMPLE



AUTOMATIC



VARIABLE



PRACTICAL

Range of CleanCubes

Disinfection at your fingertips, compact and mobile

Steinemann Disinfection provides three different atomizers with outstanding features. The spray gun with an effective reach of up to 20 meters, can be rotated 360° or an extension tube can be added (optional) for disinfection, e.g. from outside the rooms, air conducts etc. A remote control to on/off switch is included (Classic and Pro). Acoustic as well as visual signals warn every bypasser and employee against entering the room during operation time. The CleanCube is suitable for small and large rooms in hotels, healthcare facilities, food processing units or laboratories e.g. dairies hospitals operating theater, patient's rooms, clinics, companies premises, public transportations, ships, restaurants, canteens, animal farms, wellness and fitness centers, etc. The calculating program <https://www.steinemann-disinfection.ch/customer> offers support for an adequate calculation with distinct conditions (e.g. tropical climate - high humidity). The integrated precise dosing pump guarantees a uniform amount of disinfectant from the beginning until the end.



The small one with great performance!
Attractive price, small, light and very handy.



The budget champion

- Best price for small rooms
- Tank capacity 2.4 l (incl. liquid level monitor)
- Highly mobile, only 25 cm x 25 cm x 34 cm, 8.7 kg
- Up to a room size of 200 m³
- Optional: Trolley

An effective reach of up to 12 meters and treatable room volumes up to 200 m³ are sufficient for most cases. Easy to use: Set the time on the control panel according to the spray time table provided, press start and leave the room. A loud acoustic signal indicates that the device starts within 20 seconds delay.

Perfect for the decontamination of homes (allergic people), hotel rooms, rooms in nursing- or retirement homes, ambulances, cars, taxis, cabins, cockpits, etc.

The versatile all-rounder!
Top performance, STEP mode, easy to use, convenient.



The multipurpose workhorse

- Best price to feature relation
- Precise reproducibility with pump driven dosing
- Only 32 cm x 32 cm x 36 cm, 14.7 kg
- Remote control
- Tank capacity 4.2 l (incl. liquid monitor)
- Large room size up to 500 m³
- Status visible from a distance with a multicolor LED light ring
- Programmable STEP mode and timer function
- Optional: Extension tube and trolley

High treatment capacity of up to 500 m³ room volume supported by higher vortex and a larger tank. Automatic parameter calculation based on set room size and chosen disinfectant concentration.

Most suitable for larger rooms in healthcare facilities, food processing units and laboratories with high demand for documentation e.g. dairies, hospital's operating theater, patient's rooms, clinics, companies' premises, hotel rooms, public transportation, ships, restaurants, professional cleaning companies, canteens, animal farms etc., as well as disinfection when using the extension tube.

The high end for high demand! STEP and PULS modes. Print out of performance, supporting you QM-process.



The high end device: Multi-programmable, documenting

- Temperature and humidity measurement
- Documentation via data export or printer
- Different user authorization
- PULS and STEP modes for different applications
- According to QMS requirements, printer (optional) for data output in 5 minutes rhythm
- Optional: Extension tube and trdley

Leading edge technology with extensive features. Besides all technical features of the CleanCube Classic, The Pro has sensors to monitor air humidity and temperature. The device is controlled by a color touch-screen, LAN and USB connections are provided. Detailed data is recorded and can be printed (printer optional).

Different modes

PULS Mode

Principle of operation

The nebulization of disinfectant can be programmed in three steps. The time of each step can be chosen according to the needs. Each step requires to subdivide the process into a chosen time of nebulization and a chosen time of operation stop. When stopped, the device stops functioning completely. The fog has then the time to settle on surfaces and opens the cell walls of bacteria and the capsid of viruses. Then, the device automatically starts and stops for another two disinfection cycles, killing effectively the remaining bacteria and viruses.

Application areas

The STEP mode is very effective in high risk environment such as microbiologist laboratories, pharmaceutical production facilities, slaughterhouses, virus research institution or medical facilities with high resistant bacteria and viruses.

STEP Mode

Principle of operation

The nebulization of disinfectant is set in a fixed time mode. After setting the spray time the process of disinfection runs normally. After 30 seconds, the dosing liquid pump stops for 15 seconds while the blower continues to maintain the air vortex in the room. Then, the dosing liquid pump starts again to nebulize for another 30 seconds. This procedure continues until the set spray time is terminated.

Application areas

The PULS mode is applied for environments which require a gentle disinfection or with sensitive objects in the room. It helps to avoid too much humidity in the room. A tropical room environment requires the calculation of the maximum allowed spray time before starting the disinfection process.

en.steinemann-disinfection.ch/customers

CleanLine contains

Hydrogen peroxide (H₂O₂): 7.5 %;
Silver: 0.015 %



Attention: Please before applying CleanLine, do check your national legislation for import and nebulization of this composition of disinfectant.

Save time – improve hygiene!

Imagine, disinfecting hydrogen peroxide fog on all surfaces with no harmful residues. After the disinfectant exposure, the hydrogen peroxide disintegrates into oxygen and water.

Working principle

CleanLine is a disinfectant suited for 3D surface disinfection. The active substance used is hydrogen peroxide, an environment friendly substance. In a complex manufacturing procedure, the active substance is stabilized and boosted with silver, thus achieving a remarkable improved effectiveness against micro-organisms. The traces of silver remaining on the treated surfaces are not visible and non-toxic. Additionally, they efficiently inhibit a renewed contamination. The hydrogen peroxide attacks the cell walls of the micro-organisms directly.

The chemical reaction between the oxygen and the cell wall molecules will cause these to be decomposed and destroyed. This effect is intensified by the silver ions which form a bond with the disulfide bridge of certain proteins of micro-organisms, thereby inactivating or cracking these proteins. (film: functional principle of the antimicrobial impact: <https://www.steinemann-disinfection.ch/firma>

CleanLine has been proven effective against

- Gram positive / gram negative bacteria
- Spore-forming organisms
- Viruses (with and without protective coat)
- Yeast
- A wide spectrum of protozoa

CleanCube accessories

Use only original Steinemann Disinfection accessories in order to ensure safe, correct and reliable operation of the device.

Enables disinfection to be carried out in a comfortable height and an easy relocation of the device. Trolley with 2-level storage space e.g. 5 liter canister. Available for all models.



Trolley



Extension tube

Extension tube for spray-gun of CleanCube Classic or Pro, including adapters (without gun, 2.6 m). It allows the disinfection of pipes or ventilation systems. The tube is made of high resistant material.

Indicator for hydrogen peroxide distribution in the room. Enables an accurate and fast determination of the level of CleanLine. Measuring range: 0 to 200 mg/l (ppm), 50 pcs.



Test strips



Printer

Allows printing of all logged data from the disinfection activities, according to QMS requirements. For CleanCube Pro only.

Test-slides are intended for rapid monitoring of microbiological hygiene in different types of material, both liquid and solid. The test can be performed on-site. This test can be used for countertops (including 10 pcs).



Incubator

A small, durable and reliable incubator suitable for the incubation of dip paddles. It is needed in the fields of hygiene monitoring, medical diagnostics, food bacteriology and industrial process testing.

Test-kit



Further accessories as well as consumables of the CleanCube can be found in the operation manual.

Photovoltaic system:

1'924 Modules = 3'146 m²

Performance:

DC: 442.24 kWp

AC: 372.80 kVA



Steinemann
DISINFECTION

Steinemann Disinfection

is an operation within Steinemann Group

Please visit our website

steinemann-disinfection.ch

You will find much more information on each CleanCube and its innovative concept of disinfection through nebulisation and much more.

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