

«A New Paradigm for Decontamination Efficacy»

Range  
of CleanCube Devices







## Save time!

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

## Gain confidence!

Imagine a dry fog on all surfaces with no harmful residues. A Long reaching vortex jet for a perfect distribution. Breaking the chain of infection in an effective way where no humans are affected.

## CSG 3D Disinfection Process

Designed, manufactured and tested in Switzerland, we proudly build our systems out robust aluminium and galvanised premium steel to be long lasting and corrosion resistant. The high volume airstream of our vortex nozzle and its six superposed sub-jets enables us to provide the disinfectant distribution needed for perfect results. This nozzle with its unique design is also responsible for the atomization of the disinfectant generating a dry fog for a gentle disinfection with no harmful residues.

A fog of ultrafine droplets covers all accessible surfaces within a room thanks to the constant 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 exponentially. This 3D disinfection process will normally take just a few minutes for a standard sized room. After a short waiting time to allow all particles in the air to settle and to impact on the micro-organisms inside the room, the latter can be safely entered again, no rinsing or post-cleaning is necessary.

CSGs 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. Our three different CE-conform CleanCube models cover the diverse customer needs:

## Range of CleanCube Devices

Disinfection at your fingertips, compact and mobile

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

### CLEANCube mini

- The budget champion
- Best price to feature relation
- Unique vortex air stream technology
- Highly mobile only 25cm x25cm x34cm
- Up to a room size of 360 m<sup>3</sup>
- Optional trolley



An effective reach of up to 12m and treatable room volumes up to 360 m<sup>3</sup> are sufficient for most cases. Easy to use: Set the time on the control panel according to the table, press start and leave the room. Loud acoustic signals will warn those present and the device starts with 20 seconds delay.

Ideal not only for the decontamination of dentists clinics but also most suitable for using at home (allergic persons), hotel rooms, rooms in nursing- or retirement homes, ambulances, cars, taxis, cabins, cockpits, etc.

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

### CLEANCube classic

- The multipurpose workhorse
- Precise reproducibility with pump driven dosing
- Only 32cm x 32cm x 36cm
- Large room size up to 700 m<sup>3</sup>
- Status visible from far with our multicolour ring light
- Programmable stepping and timer function
- Optional extension tube, flange and gun



High treatment capacity of up to 700 m<sup>3</sup> room volume supported by a larger tank. The integrated precise dosing pump guarantees a uniform concentration from the beginning until the end. Automatic disinfection parameter calculation based on set room size and chosen disinfectant concentration.

The spray gun with an effective reach of up to 20 m, can be rotated 360° or removed and added to an extension tube (optional) for disinfection via a flange from outside the rooms, air conducts etc.. A remote control to on/off switch the device is included, too. Acoustic as well as visual signals warn every by passer and employee against being in the room during operation time.

Very suitable for small and larger rooms in hotels, in healthcare facilities, food processing units and laboratories e.g. dairies hospital's operating theatre, patient's rooms, clinics, companies premises, hotel rooms, trains, ships, restaurants, canteens, animal farms, wellness & fitness centres, etc., as well as disinfection when using the extension tube.

**The high end for high demand!**  
**Supporting you QM- process**

### **CLEAN**Cube pro

- The high end system
- Only 32cm x 32cm x 36cm
- Temperature and humidity measurement
- Documentation via data export or optional printer
- User authorization



Leading edge technology with extensive features, yet of excellent value for money. Besides all technical features of the CleanCube classic, it has sensors to monitor air humidity and temperature, liquid level, etc. The data is automatically transmitted to the automatic dosing calculator. The device is controlled by a colour touch-screen and LAN and USB connections are provided. Detailed data is recorded and can be printed (printer optional) or stored in the Facility's quality management system.

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

## CleanCube Technical Data Sheet

Description	Unit	CleanCube Mini	CleanCube Classic	CleanCube Pro
Power supply voltage	V <sub>AC</sub> 50/60Hz	220-240	220-240	220-240
Current / Amperage	A <sub>max</sub>	5.0	6.3	6.3
Low voltage	V <sub>DC</sub>	-	24	24
Permitted operation temperature	°C	5° - 40°	5° - 40°	5° - 40°
Fan engine power	W	800	1200	1200
Fan engine revolutions	min <sup>-1</sup>	22000	19000	19000
Air flow	Nm <sup>3</sup> /hr	176	155	155
Tank capacity	lit	2.5	4.5	4.5
Dimensions	mm	250 x 250 x 340	320 x 320 x 360	320 x 320 x 360
Weight empty	Kg	8.7	14.6	15.8
Weight full	Kg	11.2	19.1	20.3
Spray quantity per hour*, approx.	lit.	2.0	2.0	2.0
Disinfection capacity per hour*, approx.	m <sup>3</sup>	333	333	333
Disinfection capacity per 10 min.*, approx.	m <sup>3</sup>	56	56	56
Max. disinfection capacity with full tank	m <sup>3</sup>	330	660	660
Reach in beam direction	m	8-12*	12-20*	12-20*
Reach in beam counter-direction	m	2-4*	2-4*	2-4*
* concentration of 6ml / m <sup>3</sup>		* max room height 3m	* max room height 3m	* max room height 3m
Multidirectional nozzle (360°)	[--]	–	✓	✓
Dosing pump SR25	[--]	–	✓	✓
Moisture measurement	%	–	–	✓
Temperature measurement	°C	–	–	✓
Electronic level indicator	%	✓	✓	✓
Level monitoring	[--]	✓	✓	✓
Air intake filter	[--]	✓	✓	✓
Tube & Gun (tube extension)**	[--]	–	✓	✓
Tank emptying valve	[--]	✓	✓	✓
Trolley**	[--]	✓	✓	✓
Rolling case**	[--]	✓	✓	✓
Control display	[--]	LED & key	LED & key	Colour Touch Screen
Printer connection (printer**)	[--]	–	–	✓
User authorizations (admin., service, etc.)	[--]	–	–	✓
LAN connection / control through PC	[--]	–	–	✓
USB connection	[--]	(inside USB)	✓	✓
Data records	[--]	–	–	✓
Data export (Excel)	[--]	–	–	✓
Acoustic alarm signal (start-stop)	[--]	✓	✓	✓
Visual alarm signal	[--]	–	✓	✓
QR - Code	[--]	✓	✓	✓
Remote control	[--]	–	✓	✓
Day / Week timer	[--]	–	✓	✓
Step mode	[--]	–	✓	✓
PLC-control, programmable	[--]	(✓)	(✓)	✓
** available as accessory	[--]			
*** adaptable to clients' needs/requests; at extra charge	[--]			
CE Certificates	[--]	✓	✓	✓
Logging CleanLine-Charge	[--]	–	–	✓
Process tested by EMPA/Swiss Attest	[--]	✓	✓	✓
Description:		The entry model: "easy"	The all-rounder: "versatile"	The professional: "hi-tech"
Assets:		Inexpensive, light, small and handy. Very easy to operate.	Convenient, easy to operate, manual, automatic and step programs. Very versatile. Option to connect a special tube to disinfect air ducts.	All technical features of classic model and many extra functions. Colour touch screen, measuring and memorising all relevant data. QA- System: - Operation logs online or on paper. - Different users have access to different functions, depending on authorizations.
Areas of application :		Size / weight makes it ideal for the disinfection of ambulances, cars, taxis, cabins, cockpits, etc. Very suitable for usages at home (allergic persons), at clinics and dentists, hotel rooms, rooms of nursing- or retirement homes.	Very suitable for small and larger rooms, e.g. hospitals' operating theatres and patients' rooms, clinics, companies' premises, hotel rooms, trains, ships, restaurants, canteens, animal farms etc. HVAC-disinfection.	Ideal for health care institutions (hospitals, large clinics), retirement homes, companies' premises, professional cleaning companies, hotels, wellness & fitness centres, etc.

## Save time!

CleanLine 015 is a disinfectant suited for 3D surface disinfection.

## Gain confidence!

Imagine, a dry fog on all surfaces with no harmful residues. After the disinfectant has done its work, the peroxide disintegrates into oxygen and water.

### Working Principle:

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 greatly improved effectiveness against micro-organisms. The traces of silver remaining on the treated surfaces are not visible and non toxic. However, they efficiently inhibit a renewed contamination. The elemental oxygen (O<sub>2</sub>) separated by 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 denatured 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 precipitating these proteins.

### CleanLine 015 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



CleanLine contains:

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>): approx. 7.5 %; Silver: approx. 0.01%



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Please do visit our website [www.cleanservicegroup.ag](http://www.cleanservicegroup.ag) or just scan our QR-code to have direct access to it.



You will find much more information on each individual CleanCube, on the striking advantages our devices have, on the innovative concept of disinfection through nebulisation and much more.