

Sanosil Q-Jet

Whole room disinfection



SANOSIL
DISINFECTANTS FOR LIFE 

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What is aerosol whole room disinfection?

Aerosol disinfection is a method where disinfectant is atomised into ultrafine droplets and blown into the air. Once they settle on the surface, these disinfectant droplets begin to have an effect.

This allows time-saving treatment of a whole room, as well as the disinfection of nooks and crannies which are otherwise difficult to access.

In particular, this method proves to be successful in human, veterinary and dental medicine (above all to fight against resistant micro-organisms such as MRSA and/or nosocomial infections), as well as in the food industry.

Turbine vs Compressor

In modern aerosol disinfection devices, two different pieces of technology are primarily used today for the production of aerosols: In addition to a fine nozzle, these are compressors or turbines. Both have a role and individual strengths, but they also have certain weaknesses.

	Turbine	Compressor
Weight: lightweight design possible	yes	no
Wear during operation	no	yes
Costs for spare parts	low	high
Noise emission during operation	moderate	low
Possible droplet size	3-5 microns	5-10 microns
Even aerosol distribution 1: small spaces	Yes (airflow)	Yes (diffusion)
Even aerosol distribution 2: larger spaces	Yes (airflow)	No (diffusion)
Mist visible	No (dry)	Yes (steam/wet)
Treatable room size	Up to 600m ³	Up to 200m ³

For understandable reasons, the devices of the Sanosil Q-Jet family therefore focus without exception on reliable turbine technology.

The Sanosil Q-Jet family

The Sanosil Q-Jet family consists of 3 different models of automatic aerosol disinfection devices, which can seamlessly cover all customer needs with respect to professional and safe disinfection of spaces. A lightweight, compact design enables easy and simple transportation (devices fit into all boots and weigh a maximum of 15kg).



Depending on the model, optional attachments such as a rolling base (facilitates transportation and placement in the room), nozzle extension tube (for the disinfection of cavities, process chambers, ventilation pipes etc.), or printers for recording the disinfection operation leave nothing to be desired.





Q-Jet Compact – the small powerhouse

The most compact of the three brothers is impressive due to its handy dimensions (27 x 27 x 34cm), a weight of only 8.1kg and very simple operation. This makes it ideal for the disinfection of small spaces such as ambulances, treatment rooms or air conditioned rooms. Depending on the selected dosing or the micro-organism concentration present, volumes of up to 140m³ are handled. The device with basic functions is also convincing due to its unbeatable value for money.

Q-Jet Advanced – the versatile all-rounder

The Advanced model, in comparison with the Compact, offers not only a larger solution tank (and therefore the possibility to handle larger volumes), but also a dosing pump for the disinfectant. This ensures an exact and even flow rate and allows precise dosing irrespective of the fill level of the tank - an aspect which is practically never considered for most of the other devices available on the market (the fuller the tank, the larger the usage).

Depending on dosing, a maximum room side of up to 600m³ can be treated. Smaller volumes and/or cavities can ideally be handled by means of the nozzle which can be rotated by 360 degrees, removed and optionally extended by a tube.

Simple operation takes place via a user-friendly keypad with an LED display.



Q-Jet Superior – high end – professional version

Our professional model Superior makes the heart of any hygienist beat faster. Equipped with the same technical basic characteristics as the Advanced, the Superior offers a whole range of extra functions. Humidity and temperature, for example, are automatically measured and the data is automatically logged. The device is controlled by a colour touch screen and LAN and USB connections are provided. The automatically recorded detailed data such as room ID, duration, start/stop times, dosing, disinfectant batch etc. can therefore be either read and stored in the company-owned quality management system or printed directly by the connected printer. The control software is openly programmable and can be customised on request to the individual needs of the customer. Remote control and maintenance are also possible by LAN.





Sanosil Q-Jet Fogger Accessories

Sanosil Q-Jet cart

Available for all models.

Allows the device to be rolled from room to room, and enables disinfection to be carried out from an elevated position, with more comfortable handling of the Q-Jet. Simple and speedy assembly for high flexibility.

Also offers additional storage options for a canister of Sanosil S010, accessory parts and protective equipment.



Sanosil Q-Jet Tube

Available for the Sanosil Q-Jet Advanced and Superior models.

2-metre long optional hose extension (Tube) allows the disinfection of tank systems, pipes or ventilation systems, without the need to enter these directly.



[delivery contains the tube only \(gun is part of the Q-Jet\)](#)



Sanosil Q-Jet Protective Transportation Box (with wheels and extendable handle)

Available for all models.

Enables the professional, secure and dust-free storage of the Q-Jet device and its accessories. The extendable handle and the two wheels make transporting the Q-Jet device and its accessories very simple. Various accessories can be stored alongside the Q-Jet in the box (Tube & Gun, Sanosil canister, protective equipment).



Sanosil Q-Jet Printer

Available for the model Sanosil Q-Jet Superior.

Thermo Printer for printing out all logged data from your disinfection activities. Including room size, quantity of Sanosil S010 used, time and duration of fogging, operators name, room name and product Batch number.





Sanosil Q-Jet Foggers Key features

Desription	Unit	Q-Jet Compact	Q-Jet Advanced	Q-Jet Superior
Maximal Room Size (with one unit)	m ³ (dosage 6ml/8ml)	150/125	580/430	580/430
Unit dimensions	mm	270 x 270 x 340	370 x 370 x 400	410 x 370 x 400
Weight empty	Kg	8.1	14.5	15.0
Weight full	Kg	9.1	17.5	18.0
Voltage	V _{AC} 50/60HZ	220-240	220-240	220-240
Amperage	A _{max}	5.0	6.3	6.3
Low voltage	V _{DC}	---	24	24
Permitted operating temperature	°C	5° to 40°	5° to 40°	5° to 40°
Fan motor power	W	800	1200	1200
Fan power	Nm ³ /h	176	155	155
Noise level (1m)	dB	87	84	84
Noise level (outside room)	dB	58	56	56
Tank capacity	Liter	1.0	3.0 (+0.5 backup)	3.0 (+0.5 backup)
ml/Minute	ml	30	33	33
Particle size (minimal)	µm	3.0	3.0	3.0
Maximal throwing range of particles	m	18	21	21
Multi-directional nozzle (360°)	[--]	---	✓	✓
Additional Metering pump	[--]	---	✓	✓
Moisture measurement	%	---	---	✓
Temperature Measurement	°c	---	---	✓
Electronic level indicator	%	---	---	✓
Level monitoring	[--]	---	✓	✓
Sight glass level	[--]	✓	✓	✓
Suction filter	[--]	✓	✓	✓
Tube (hose extension) **	[--]	---	✓	✓
Tank drain valve	[--]	✓	✓	✓
Substructure (cart) **	[--]	✓	✓	✓
Suitcase with wheels **	[--]	---	✓	✓
Corrosion-resistant materials	[--]	✓	✓	✓
Constant room Airflow	[--]	✓	✓	✓
Dosage individually adjustable	[--]	---	✓	✓
Simultaneous run of units, for rooms of 600 – 5000m ³	[--]	---	✓	✓
Display / Button	[--]	LED & Button	LED & Button	Color Touch Screen
Printer port, printer **	[--]	---	---	✓
User Permissions (Admin; Service, etc.)	[--]	---	---	✓
LAN connectivity / control via PC	[--]	---	---	✓
USB port	[--]	---	---	✓
E-Mail Service	[--]	---	---	✓
Data logging (all parameters)	[--]	---	---	✓
Data Export (Excel)	[--]	---	---	✓
Audible alarm (start / end)	[--]	✓	✓	✓
Visual alerts	[--]	---	✓	✓
Remote control	[--]	---	---	✓
Timer (week / day)	[--]	---	✓	✓
Step Disinfection Modus	[--]	---	✓	✓
CE Certificate	[--]	✓	✓	✓
EMPA & Swissatest tested	[--]	✓	✓	✓

** Available as accessory





Sanosil S010 - Disinfectant



Description

Sanosil S010 is an extra strong surface disinfectant with a remarkable depot effect. It is based on the proven Sanosil H₂O₂-Ag formulation, which also makes it suited for special applications like aerosol atomisation (in combination with the Sanosil Q-Jet dry fogger or Sanosil Easy Fog).

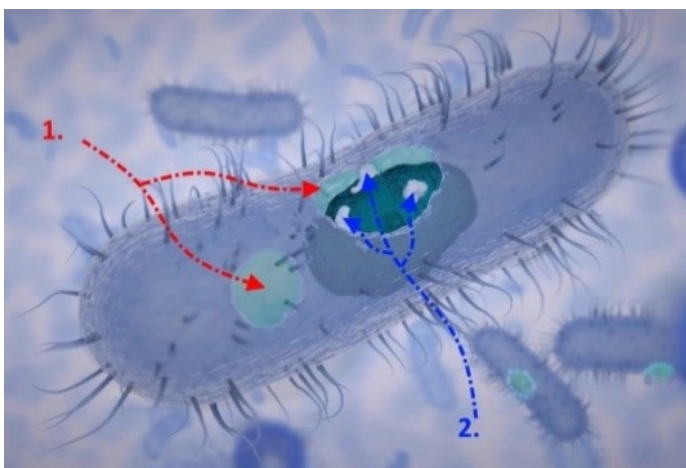
Sanosil S010 contains the highest concentration of active ingredients of all ready-made Sanosil products and is therefore also used successfully

for shock disinfection of highly polluted surfaces, e.g. in germ-infested air conditioning systems.



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. However, they efficiently inhibit a renewed contamination.



The elemental oxygen (O₂) 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 (1). 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.(2)



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