

SMS



P Series

low temperature vaporized hydrogen peroxide sterilizers

Benefits

that make a difference



Consistent results in every cycle

Our systems use vaporized hydrogen peroxide to ensure consistent, dependable sterilization for even the most sensitive and complex instruments.



Low-temperature sterilization for delicate tools

Engineered for heat-sensitive materials such as delicate plastics, electronics, and optics that require controlled, low-temperature treatment.



Effective even for complex, modern tools

Vapor H_2O_2 reaches into tight channels and complex designs, delivering reliable performance for today's advanced instruments.

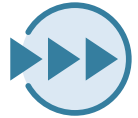


advantages

SMS

Built for the pace of modern CSSDs

Designed with CSSDs in mind, the fast cycles support high-volume instrument reprocessing without slowing down your team.



Ready the moment you open the door

No long aeration, no cooling, no waiting. Instruments are ready for immediate use the moment you open the door, keeping your workflow smooth and efficient.



Install anywhere — no special connections required

A true plug-and-play system — no drainage, ventilation, water supply, or compressed air required, only an electrical outlet.



Safe and eco-friendly by design

Protects staff and the environment by converting leftover H_2O_2 into harmless water and oxygen — no chemical waste, no harmful emissions.



P150

The P150 low-temperature plasma sterilizer was our first plasma unit, marking a major innovation in our sterilization portfolio. Designed for healthcare institutions that handle larger instrument loads, it provides reliable sterilization for fragile and heat-sensitive instruments, combining advanced plasma technology with high-capacity performance in a user-friendly design.

sterilization cycles

28-30
minutes

SHORT

*fast surface treatment
of solid instruments*

40-60
minutes

STANDARD

*most surgical
instruments*

50-75
minutes

ADVANCED

*long flexible endoscopes
and complicated items*



Compatible
with
sms
TRACK

P150

Versions

- single door	•
- double door	•

Chamber volume

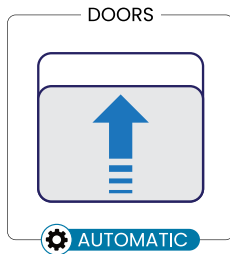
- usable (l)	103
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External dimensions

- width (mm)	860
- depth (mm)	1060*
- height (mm)	1745

Electric power (kW)	4
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* Single-door sterilizers are 55 mm less deep



Characteristics

- sterilized equipment is ready for use instantly after the sterilization process
- no drainage or ventilation required
- rectangular chamber with guides, on two levels, for sterilization baskets
- microprocessor controller assures a fully automatic and safe completion of the selected sterilization program
- 9,7" color touchscreen with a user friendly control panel on the loading side and in case of the passthrough version, a 4,3" color touchscreen on the unloading side
- an interactive sterilizer diagram showing the information about the ongoing sterilization process and individual components
- process chart (temperature and pressure)
- printer with simple paper loading
- remote control and monitoring

Accessories

- baskets
- shelves
- aluminum basket dividers

P50

The P50 low-temperature plasma sterilizer has been designed to meet the need for an easy-to-use, reliable, and economical tabletop unit. It is perfectly suited for healthcare institutions that process small batches of medical instruments, including fragile and heat-sensitive tools, ensuring effective sterilization without compromising delicate materials.

sterilization cycles

28
minutes

SHORT

*fast surface treatment
of solid instruments*

40
minutes

STANDARD

*most surgical
instruments*

50
minutes

ADVANCED

*long flexible endoscopes
and complicated items*



Compatible
with

SMS
TRACK

P50

Versions

- single door
- double door

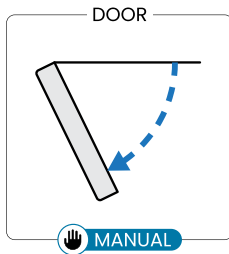
Chamber volume

- usable (l) 50

External dimensions

- width (mm) 725
- depth (mm) 920
- height (mm) 780

- Electric power (kW) 4



Characteristics

- single door tabletop sterilizer
- no drainage or ventilation required
- rectangular chamber with guides, on two levels, for sterilization trays
- vacuum test
- sterilized equipment is ready for use instantly after the sterilization process
- microprocessor controller assures a fully automatic and safe completion of the selected sterilization program
- 7" color touchscreen user friendly control panel
- process chart (temperature and pressure)
- printer with simple paper loading
- remote control and monitoring

Accessories

- shelves
- base cabinet



Hydrogen peroxide

Hydrogen peroxide (H_2O_2) is a proven low-temperature sterilant widely used in healthcare and laboratory environments. In vaporized form, it effectively eliminates microorganisms while remaining gentle on heat-sensitive and complex instruments. Its clean chemistry and reliable performance make H_2O_2 an ideal choice for modern sterilization needs.



Biodegradability

Hydrogen peroxide is a biodegradable compound, meaning it naturally breaks down into water (H_2O) and oxygen (O_2) over time. This makes it an environmentally friendly choice for sterilization processes.

High efficacy

Hydrogen peroxide is highly effective at destroying a wide range of microorganisms, including bacteria, viruses, and spores. It can penetrate and sterilize hard-to-reach areas on medical instruments and equipment.

Material compatibility

Material compatibility: Hydrogen peroxide is compatible with a broad range of materials used in medical instruments, including plastics, metals, and elastomers. This is especially important because medical instruments are made from diverse materials, and the sterilization process must be gentle on heat- and moisture-sensitive instruments.

Low toxicity

At the concentrations used for sterilization, even with a high percentage like 58%, hydrogen peroxide is considered relatively safe. It's actually less toxic compared to some other chemical sterilants. It also leaves behind minimal residue and poses a lower risk to healthcare workers. It's worth mentioning that, in specific processes like sterilization, high-concentration hydrogen peroxide can be safely diluted, using for example distilled water, to reach safe concentration levels.

Safety

Hydrogen peroxide plasma sterilization is known for its strong safety profile in healthcare and laboratory environments. While appropriate safety measures are always required to protect personnel, hydrogen peroxide is significantly less hazardous than many other sterilization gases. At the end of the cycle, the plasma phase actively breaks down residual hydrogen peroxide into water and oxygen, helping to maintain a safe working environment with minimal chemical exposure for staff.

Packing

- 4-pack boxes (4 x 150 ml)
shelf life of 24 months
from the date of manufacturing

SMS TRACK

Instrument reprocessing management made easy



Fast and simple management

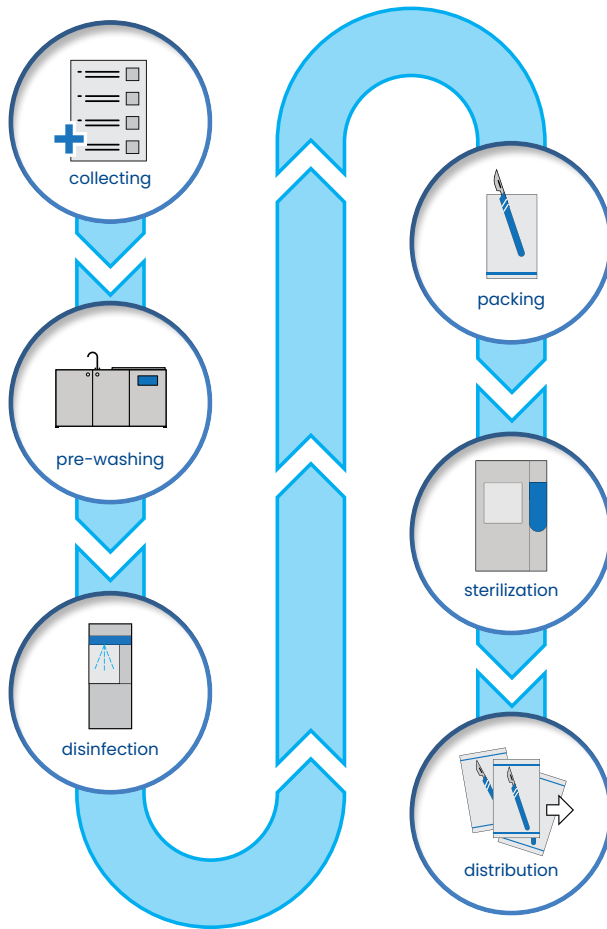
SMS Track has been designed to make CSSD management as simple as possible, and log the whole decontamination process. Any stage of this process, e.g. washer loading, batch approval, instrument distribution, can be effortlessly accomplished with just a few clicks.

Digital documentation

SMS Track stores all the information in digital form, making it always accessible from every computer connected to the system. On top of that it eliminates the need for paper forms and documentation in the CSSD. This saves time and greatly reduces the impact the CSSD and hospital have on the environment.

Full decontamination reports

Our software lets you track every stage of the decontamination process. At any time you can access the full history of every instrument that has been processed in the CSSD. This also enables you to prepare audit documentation if needed.



Expandable capabilities

SMS Track is delivered with a set of functions necessary for proper CSSD operation. We know that some CSSDs may have additional needs, so we designed our software to be expandable. Upon request we will gladly work with you to add the extra functionality you are looking for.

Tamper-proof database

You can be certain that the information stored in SMS Track is accurate and authentic. Our tamper-proof database guarantees that all your data is always the same as the day it was recorded.

Multilingual

We want SMS Track to be intuitive and easy to use. This also means We can install the software in the language of your choosing.

Stage-by-stage confirmation

SMS Track is built in a way that does not let the user move to the next stage if the previous one did not finish correctly. SMS pass through washers and sterilizers can be opened on the unloading side only if the cycle was completed successfully. Both of these features combined together guarantee that only properly processed instruments can advance through the decontamination process and be distributed. This also minimizes user errors, as SMS Track guides them through the whole process and requires that every step is verified.

Standards and directives

Our products meet all applicable standards and directives and not less than below

Directives

93/42/EEC Directive

Medical Device

(EU) 2017/745

Medical Device Regulation

EU Directive 2006/95/EC

Low Voltage Directive

EU Directive 2004/108/EC

Electromagnetic Compatibility

EU Directive 2006/42/EC

Machinery

2011/65/EU RoHS

Safety and EMC Standards

EN 61010-1:2010 + A1:2019

Safety requirements for electrical equipment for measurement, control and laboratory use

EN IEC 61010-2-040:2021

Particular requirements for sterilizers and washer-disinfectors used to treat medical materials

EN IEC 61326-1:2021

EN 55011 (CISPR 11)

Class B Medical Devices

Europe

ISO 9001:2015

Quality Management Systems

EN ISO 13485:2016 + A11:2021

Medical Devices – Quality management systems / requirements for regulatory purposes

EN ISO 14971:2019 + A11:2021

Medical Devices – Application of risk management to medical device

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