
Stericool H₂O₂ plasma sterilizers GETINGE GROUP
Affordable low temperature solution





Getinge Stericool H₂O₂ plasma sterilizers

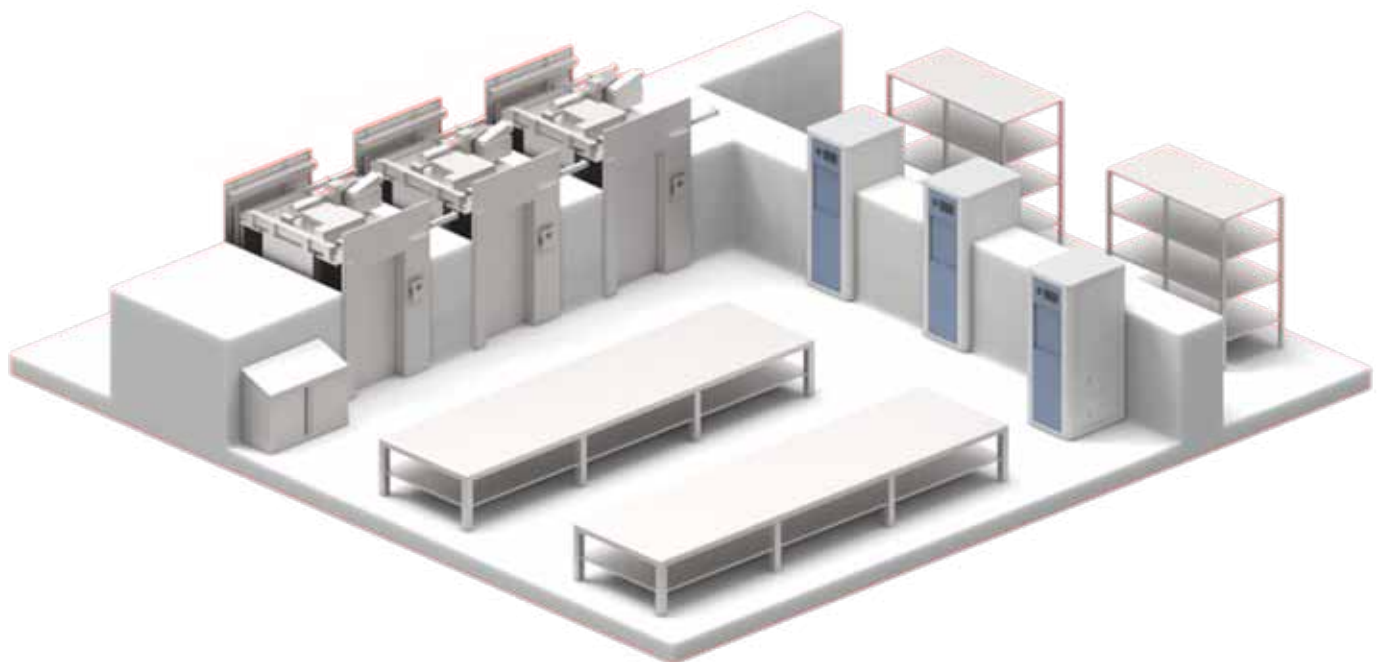
Meeting everyday demands of the CSSD

An affordable low temperature solution

Since many components in advanced surgical tools cannot withstand the heat or pressure of traditional steam sterilizers, healthcare providers are growing evermore dependent on low temperature technologies to maintain efficient infection control. Getinge's wide product offering together with an impressive portfolio of low temperature sterilizers provide the right solutions for hospitals embracing new operating techniques, such as Minimal Invasive Surgery (MIS).

Getinge Stericool H₂O₂ plasma sterilizers offer a portfolio of different sizes of sterilizers and three choices of programs from fast, standard and advanced sterilization combined with a complete range of consumables.

Our long-term commitment to our customers and the full support from our global and well-trusted sales and service network make Stericool a truly reliable choice.



Peace of mind with optional Independent Monitoring System (IMS) that monitors process data from independent sensors and reports via printer control of load release.

Intuitive design of the HMI screen simplifies the operation of the unit and provides clear graphical progress of sterilization cycle.

H₂O₂ sterilant loading compartment with electronic lock and automatic container piercing.

In-chamber RF plasma ensures there is no residual H₂O₂ leakage from chamber nor on instrument surfaces.

110 L and 160 L useable volumes available to suite the demanding requirements of your facility.

2 shelves and generous chamber sizes for high throughput.

Automatically operated sliding door.

Double-door option for pass-through operation satisfies zone separation requirements.

Highly efficient in-line catalytic converter prevents release of H₂O₂ from the sterilizer.

External interface for data logging (SD memory, USB & Ethernet).

Caster wheels for mobility (rubber feet provided).



Achieving **accurate and consistent** results, increasing hospital **throughput**

Extended life for delicate reusable instruments: Optimized sterilization environment for delicate, heat-sensitive and moisture-sensitive medical instruments resulting in minimum instrument damage and lower repair costs.

Hydrogen peroxide sterilant (H₂O₂) 59%wt: Stericool utilizes highly purified, high efficacy 59% wt H₂O₂ sterilant cartridges which are authenticated via the sterilizer's H₂O₂ traceability system. The patented injector technology enables minimum use of sterilant at maximum efficiency.

User-friendly pre-defined sterilization programs:
The Stericool sterilizers feature three fully automated programs to sterilize a wide range of sensitive medical instruments in less than an hour.

The standard program is designed to sterilize general surgical instruments with single channel flexible and moderate length rigid lumens. The fast program provides shortened sterilization time for surface sterilization loads. The advanced program is designed to sterilize surgical instruments with long rigid lumens.

Intuitive design of the HMI screen increases system throughput and minimizes operator mistakes.

Optimized material compatibility and efficacy via dual mode concentrator injector: With patented dual mode technology Stericool offers both variable concentration for high efficacy and optimized cycle duration on lumen cycles and non-concentration cycles for surface instruments thus enables a wide range of material compatibility.

Reducing operating **costs**

Safety: Getinge's Stericool sterilizer range has an excellent environmental safety record. At the end of the sterilization cycle in-chamber-plasma ensures that there is no sterilant residue left on medical instruments and no residual H₂O₂ leakage from the sterilizer.

No residual toxic waste; no-harmful by-products: The highly efficient in-line catalytic converter provides additional assurance against leakage of residual H₂O₂ to the working environment.

ISO 14937 compliant test validation from accredited lab: SAL-6 demonstrated with 10⁶ reduction at the half-cycle, on all cycles using challenging lumens to simulate claims.

Peace of mind with independent monitoring: Independent Monitoring System (IMS) is an independent monitoring and documentation system that supports real-time monitoring of critical data from independent sensors to give users additional verification of process parameters. Process data from IMS is printed on paper report and can be accessed via T-DOC.

Data logging, interoperability: Sterilization process validation logs may be transferred via SD memory card, USB connection or by Ethernet TCP/IP connections to any LAN or WAN network such as the Internet.



Keeping medical staff **safe and productive** ...

Easy installation: Stericool sterilizers are designed to be mobile and can easily be integrated into any healthcare unit as it only requires a standard power connection (3 phase connection is optional). No extra civil work, water source, drainage, waste management, ventilation or mounting are required prior to installation. Stericool devices are simply plug and play.

Double door, pass-through operation: For Stericool sterilizers single door operation is standard. The pass-through double door option perfectly satisfies zone separation requirements of modern CSSDs. Sterilization

loads are delivered back to the clean room processing zone in the event of an aborted cycle.

State-of-the-art RF plasma technology: The RF plasma technology enables homogenous in-chamber plasma distribution at optimized power, to gently remove H₂O₂ residuals from within the chamber and from the surface of sensitive medical instruments.

Quality: Our products are manufactured under continuous quality control to appropriate medical and product quality standards.

... while reducing environmental impact

Easy sterilant loading: Sterilant cartridges are simply inserted into the safe auto locking compartment at the front. Sterilant cartridges are designed with safety in mind and feature a protective seal for safe handling.

Intelligent System Management: Stericool's intelligent system management software constantly monitors critical

sterilization parameters in real-time and keeps the user informed on the sterilization cycle progress.

Its resident self-diagnostic programs provide guidance for easy preventive action and provides notice on imminent service expiration.



A large range of **consumables**

Sterilant ST030/ST240 cartridges

ST240	24 cycles for 110 L / 20 cycles for 160 L**
ST030	2 cycles for 110 L and 160 L*

Each cartridge features traceability tracking and serial number. Shelf life of the cartridges are 6 months from the date of manufacturing at room temperature. Minimum quantity order is 25 units for ST030 and 12 for ST240.

* Sterilant ST030 has the same form factor of ST240 and shipped via air freight

** Total cycles per cartridge will vary with program selection



Routine monitoring kit ST860 (VH₂O₂)

For routine process monitoring to ensure that the sterilizers are continuously operating at peak performance. Compliant with ISO 14937 routine monitoring guidelines.

Getinge Process Challenge Kit (VH ₂ O ₂)	2 mm* x1200 mm (L) Getinge Process Challenge Device (VH ₂ O ₂) with 1x box Getinge Assured Self Contained Biological Indicator (VH ₂ O ₂)
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Getinge Helix kit (VH ₂ O ₂)	(Supplementary) 2 mm* x1200 mm (L) Getinge Helix Device (VH ₂ O ₂) with 1 box of Getinge Assured Helix Indicators (VH ₂ O ₂)
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*Internal dimension



Process indicators (VH₂O₂)

Getinge Assured Self Contained Biological Indicator (VH ₂ O ₂)	H ₂ O ₂ Geobacillus stearothermophilus spores (10 ⁶ population) Incubation time/conditions: 24 hours at 55°C
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Getinge Assured for plasma	Getinge Assured Plasma Indicator, per Tyvek package
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Sterilization packaging

Getinge Pack Tyvek	Constructed of multilayer PET/PE copolymer film and uncoated Tyvek. Process indicator applied on the edge of each Tyvek pack. Manufactured in compliance with EN 868-5 and ISO 11607
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Package units	Tyvek sterilization roll, 20 cm x 70 m Tyvek sterilization roll, 25 cm x 70 m Tyvek sterilization roll, 30 cm x 70 m Tyvek sterilization roll, 35 cm x 70 m Tyvek sterilization roll, 40 cm x 70 m Tyvek sterilization pouch, 15 x 30 cm Tyvek sterilization pouch, 20 x 40 cm Tyvek sterilization pouch, 25 x 45 cm
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You can **relax** knowing we will not

No matter how big or complex your operation, we offer a package that fits your workflow, minimizes downtime and controls costs.



Getinge – we're there when you need us

Whether you're purchasing a new sterilizer or an entire CSSD, we're there to support you. We offer a variety of Getinge Care service packages to ensure your equipment always performs at peak level and gets the longest life. Getinge-certified professionals offer fast, responsive local coverage with the support of our world-class experts, ensuring maximum uptime and minimum total cost.

The Getinge Care service program includes one that fits your needs exactly. Ask your Getinge representative for more information on all your care options.

Getinge Academy – the right training at the right time

Getinge Academy provides service, application and technician training or any other training you may need. We offer basic courses specially designed for your staff's needs, held either at one of Getinge Academy's facilities or at your facility. We also offer web-based training.



Technical information



Dimensions	110 L	160 L
External dimensions (WxHxD)	1910x680x864 mm	1910x680x864 mm
Chamber dimensions (WxHxD)	435x440x730 mm	530x490x735 mm
Internal chamber dimensions (WxHxD)	400x405x710 mm	500x460x710 mm
Effective useable volume	110 L	160 L
Weight	370 kg	400 kg

Sterilization chamber	110 L	160 L
Sterilization cell	Rectangular, 316 L Stainless Steel	
Double door pass-through operation	Supported	
Shelves (trays)	Two Shelves with total load capacity 10.0 kg	Two Shelves with total load capacity 12.0 kg
H ₂ O ₂ concentrator	Increases concentration to >82 % wt for improved efficacy	
Sterilization temperature	Average 55°C	
Air intake	Through medical grade HEPA-filter	
Plasma type	Radio frequency excited plasma	
Plasma location	Inside the sterilization cell	
Plasma distribution	Homogenous within the sterilization cell	
Excess load alarm	Yes	
Excess humidity alarm	Yes	
Excess cellulose content alarm	Yes	
Catalytic converter	Yes	
Standards	EN ISO 13485:2012, EN ISO 9001:2008, and full CE (EMC EN 60601-1-2 , LVD IEC 61010-2-040, and LVD IEC 61010-1) certification.	

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Getinge Group is a leading global provider of innovative solutions for operating rooms, intensive-care units, hospital wards, sterilization departments, elderly care and for life science companies and institutions. With a genuine passion for life we build quality and safety into every system. Our unique value proposition mirrors the continuum of care, enhancing efficiency throughout the clinical pathway. Based on our first-hand experience and close partnerships, we are able to exceed expectations from customers – improving the every-day life for people, today and tomorrow.