

Stericool H₂O₂ plasma sterilizers

Affordable low temperature solution

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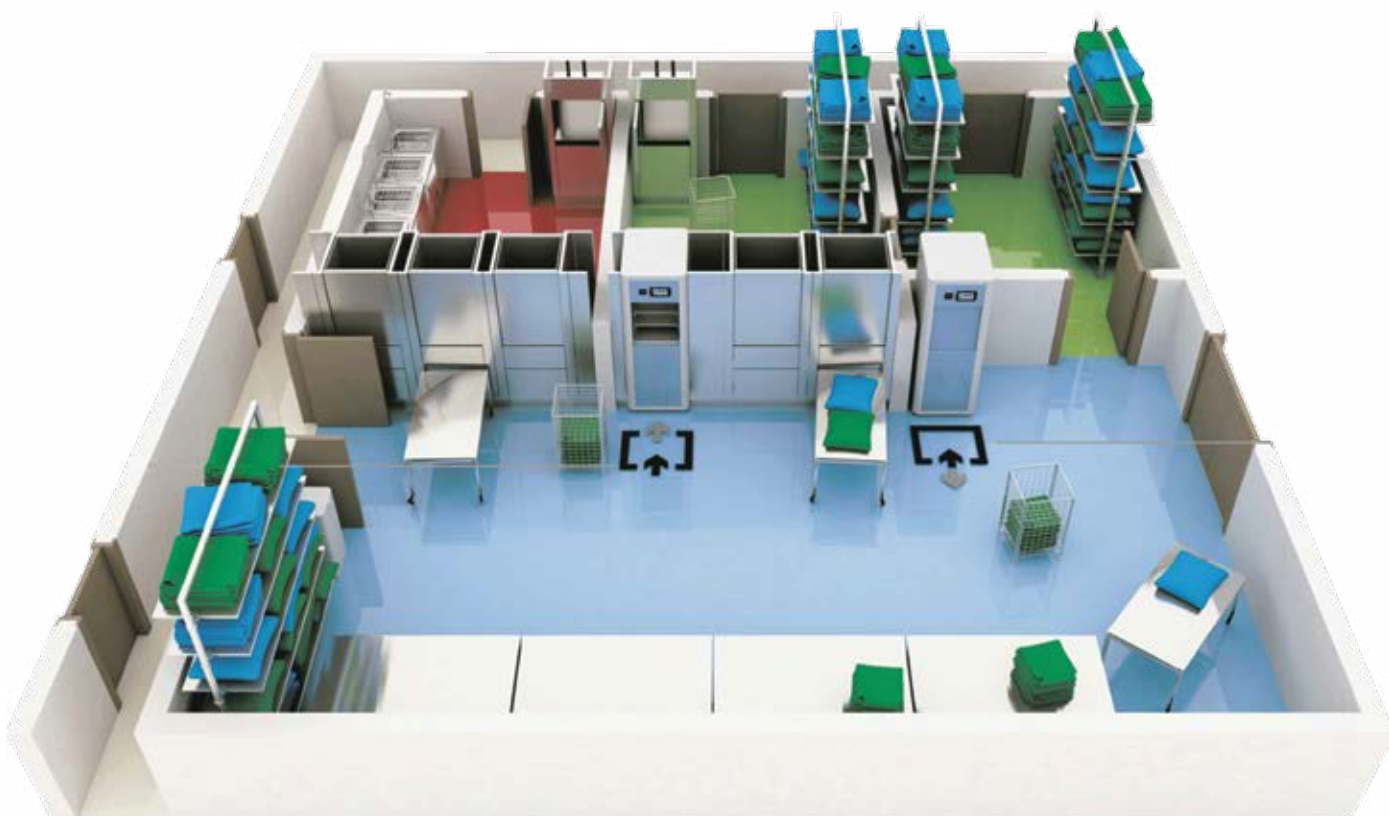
Meeting everyday demands of the CSSD

An affordable low temperature solution

Getinge – the world leading provider of solutions for infection control – is proud to introduce Stericool, a completely new technologically advanced and yet affordable solution for low temperature sterilization. Stericool sterilizers employ patented technologies to deliver rapid and safe sterilization for delicate, heat and moisture-sensitive instruments.

Stericool H₂O₂ plasma sterilizers offer a wide 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 & service network make Stericool a truly reliable choice.



Intuitive design of the HMI screen simplifies the operation of the unit. Sterilization program stages and key process parameters are displayed in realtime.

Front-loaded H_2O_2 sterilant for containers (ST030 & ST240)

In-chamber RF plasma ensures there is no residual H_2O_2 leakage from the sterilizer

2 shelves and generous chamber sizes for high throughput

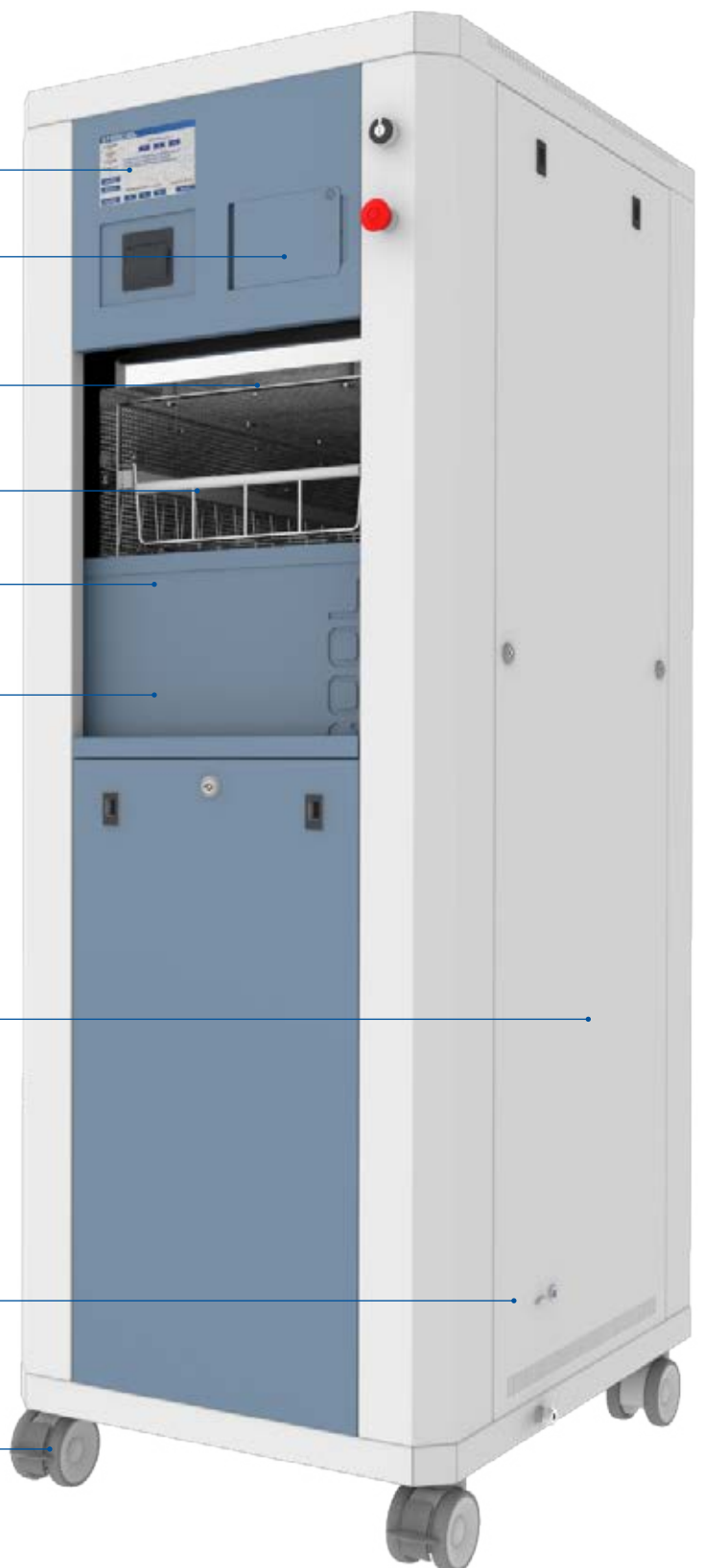
Automatically operated sliding door

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

Side-loaded H_2O_2 sterilant for containers (ST450)

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

Caster wheels for mobility (rubber feet provided)



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

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 large 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.

State-of-the-art RF plasma technology: The RF plasma technology enables homogenous in-chamber plasma distribution at optimised power, to gently remove H_2O_2 residuals from within the chamber and from the surface of sensitive medical instruments.

Double door, pass-through operation: For Stericool sterilizers single door operation is standard. As an option, the pass-through double door solution 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.

ISO 14937 compliant test validation from accredited lab:

Critical sterilization parameters are controlled in real time via dedicated sensors. Critical sterilization process data is continuously logged and can be stored for up to 12 years.

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

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.

Reducing operating **costs**

Hydrogen Peroxide Sterilant (H₂O₂) 59%wt: Stericool utilizes highly purified 59% wt concentration 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.

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 & play.

Sterilant cartridge loading bay at side/front: The front-load option with an automated H₂O₂ extractor accommodates ST240 & ST030 cartridges and requires minimal manual manipulation by the operator.

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.

Extended material compatibility via dual mode concentrator injector: With patented dual mode technology Stericool offers both variable concentration and non-concentration cycles thus enables a wide range of material compatibility.



Keeping medical staff **safe & productive...**

Safety: 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 H_2O_2 leakage from the sterilizer.

User-friendly fully automated sterilization programs: The Stericool range features three fully automated programs to sterilize a wide range of sensitive medical instruments. One-button operation increases user productivity. Intuitive use of the graphical touch screen increases system throughput and minimizes operator mistakes.

In-chamber plasma breaks down residuals on the medical

equipment and contributes to the sterilization process by generating radicals unlike the rudimentary hydrogen peroxide vapor sterilizers. Further, not all plasma sterilizers actually facilitate in-chamber plasma and therefore does not offer the same benefits

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.

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

...while reducing environmental impact

No residual toxic waste; no-harmful by-products: The in-chamber plasma and in-line efficient catalytic converter ensure that there is no residual H_2O_2 leakage from the sterilizer.

At the end of the sterilization cycle, all H_2O_2 is converted into water and oxygen via RF plasma technology.



A large range of consumables

Sterilant ST030/ST240/ST450 Cartridges

| | |
|-------|---|
| ST030 | For front-loaded systems; 2 cycles for 110Lt & 160Lt* |
| ST240 | For front-loaded systems; 24 cycles for 110Lt. / 20 cycles 160Lt.** |
| ST450 | For side-loaded systems; 42 cycles for 110Lt. / 35 cycles 160Lt.** |

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, 12 for ST240 and 9 for ST450.
* 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

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|--|
| For routine process monitoring to ensure that the sterilizers are continuously operating at peak performance |
| Compliant with ISO 14937 routine monitoring guidelines |
| 2x1200mm PCD-BI Test Challenge Device with 1x Box ST800 |
| (Supplementary) 2x1200mm Helix-CI Challenge Test with 1x Box ST810 |



Process Indicators

| | |
|-----------------------------------|--|
| Biological Indicators ST800 | H ₂ O ₂ Geobacillus stearothermophilus spores (10 ⁶ population) Incubation time/conditions: 24 hours at 55°C |
| Chemical Indicators ST810 & ST811 | ST810: H ₂ O ₂ chemical indicator, for routine monitoring ST811: Getinge Assured Plasma Indicator, per Tyvek package |



Packaging

| | | | |
|-------------------|---|-------|-------------|
| Tyvek Rolls ST600 | 60gr/m ² high quality Dupont material Microbiological barrier for long sterility shelf-life Features Chemical Indicator edge | | |
| ST675 | 75mm x 70m | ST625 | 250mm x 70m |
| ST610 | 100mm x 70m | ST630 | 300mm x 70m |
| ST615 | 150mm x 70m | ST635 | 350mm x 70m |
| ST620 | 200mm x 70m | ST400 | 400mm x 70m |



You can **relax** knowing we won't

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 | 110L | 160L |
|-------------------------------------|---------------------|---------------------|
| External dimensions (WxHxD) | 1910 x 680 x 864 mm | 1910 x 680 x 864 mm |
| Chamber dimensions (WxHxD) | 435 x 440 x 730 mm | 530 x 490 x 735 mm |
| Internal chamber dimensions (HxWxD) | 400 x 405 x 710 mm | 500 x 460 x710 mm |
| Effective useable volume | 110L | 160L |
| Weight | 370 kg | 400 kg |

| Sterilization chamber | 110L | 160L |
|--|---|--|
| Sterilization cell | Rectangular, 316L 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 | |
| Cell Heating at Initialization | 23 min | 30 min |
| 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.