

HYDROGEN PEROXIDE GAS STERILIZER

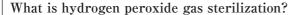
E5-700



There has never been a high-speed low-temperature sterilization system that was easier to deploy.

E5-700 is the new benchmark.

See what Canon Lifecare Solutions Inc's hydrogen peroxide gas sterilizer is capable of. Thanks to reliable and trusted technologies we have developed over the years, we have been able to take all the prerequisite conditions of sterilizers-performance, operability, and safety to a much higher level. We were also able to make unprecedented advances in cost performance. ES-700 brings high-speed low-temperature sterilization much closer to our customers. This is the dawn of a new era of sterilization.



This is a new system whereby sterilization is achieved by injecting gasified hydrogen peroxide into an evacuated sterilization chamber (no higher than 50Pa). This method enables the sterilization of inner cavities, and does not require special facilities such as plasma generators. Hydrogen peroxide chemically decomposes into water and oxygen, which means the unit needs no ducts and is environmentally friendly. With the ability to safely and consistently achieve sterilization in a short amount of time (60 minutes), this is a sterilization process for a new era.

Royal Blue

Performance Excellent Sterilization Performance

Canon Lifecare Solutions Inc's proprietary gasification technology delivers excellent sterilization performance.

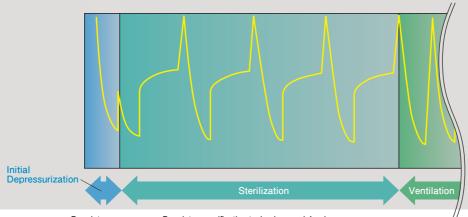
We have succeeded in achieving molecular-level gasification using our proprietary gasification technology. In addition, ES-700 employs a high-performance dry vacuum pump to achieve a high level of vacuum. The unit's thorough sterilization is achieved through a "4-pulse" process in which hydrogen peroxide gas is injected 4 times. This allows the unit to thoroughly sterilize inner cavity structures, complex shapes, and wrapping material that have traditionally been difficult to sterilize.



Standard and Soft Modes

The unit is designed to run on either standard or soft mode. Users can choose the most effective sterilization process to take into account the effects, if any, that hydrogen peroxide may have on their equipment and depending on the shape of items to be sterilized.

* Make sure to choose the appropriate mode based on instructions provided by the manufacturer of the item to be sterilized. Use standard mode unless specified otherwise



Proprietary high-performance dry vacuum pump Proprietary gasification technology and 4-pulse process (Hydrogen peroxide gas is gasified to the molecular level and injected 4 times)

Operation Excellent Operability

Rectangular chamber is space-efficient and easy to use.

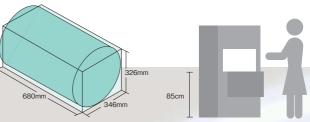
A rectangular chamber was employed to make the most efficient use of space, with enough capacity to take a full-sized container (76 liters). It also comes standard with 3 racks that are easy to access, allowing users to make the most effective use of space when sterilizing a large number of items.

All racks slide out for easy access to items placed towards the back. Racks can also be removed to accommodate items of various heights.



Single-Rack Configuration

Easily accommodates a full-sized container.



Its capacity rivals that of 100L and larger cylindrical chambers.



Triple-Rack Configuration

Sliding racks are height-adjustable. All racks slide out to allow easy access to items placed towards the back.

* It can also be used in a two-rack configuration.

Automatic Door with Footswitch

The door swings down automatically by either operating the touch panel or footswitch. Additionally, not only are there fewer protrusions on the front, the door open/close movement is confined within a symmetrical space, which makes it a great choice for the often-limited spaces.



ES-700 comes with a footswitch so user's can open and close the door without touching the panel. This is not only hygienic but also convenient when both hands are occupied.



The door automatically swings down.

Full English, Chinese, Japanese LCD Display

Touch panel operations are available at a touch of your finger. The LCD display uses large text for good visibility. A red screen and sound alerts the user should any error occur.



Displays Remaining Processing Time

During the sterilization process, the display shows the remaining time in large format, which helps to improve work efficiency.

- * Sterilization may take longer depending on the type of material or dryness of items to be sterilized.
- * The remaining process time on the display is based on the process end time, which is calculated based on the conditions of the initial depressurizing (conditioning).



LED lighting and view port makes it easy to check the interior.

The interior of the sterilization chamber is lit with white LED lamps, which allows users to check at a glance how the items are laid out and to check for any items that may have been left behind. ES-700 also features a view port for checking the sterilization status while the door is shut.



Look into the view port to check the interior during sterilization.



The screen turns red to alert the user to any errors.



LED lighting makes it easy to check the interior.

Eco-mode switch

This switch is used to reduce standby power consumption. When you press this switch, the screen and chamber lights turn off to reduce power consumption. ES-700 also comes with an auto function that allows you to set eco-mode at your discretion, and hence improve the efficiency of your sterilization operations by reducing waste. Users can also set the standby temperature inside the chamber to their desired value.





Comes with an e-mail function.

The unit will notify you by e-mail when sterilization is complete or if an error occurs.

ES-700 registers up to 5 e-mail addresses, and the information to be sent to each recipient can be configured individually.





Safety

Improved safety ALV (Alternating Ventilation) system

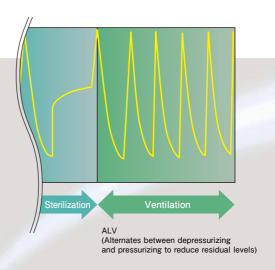
Since the hydrogen peroxide gas that is supplied to the chamber has been gasified to the molecular level-much smaller than particles-using ELK's proprietary gasification technology, there is no concern for residual liquids. In addition, in the final process during sterilization, the unit performs Alternating Ventilation (AV), where depressurization and pressurization are repeated. This process reduces the amount of residual hydrogen peroxide in wrapping material and containers.

Long mode

Ventilation (depressurization and introduction of atmosphere) is performed 5 times in the ventilation process to ensure thorough ventilation. Users can add 5 more ventilation cycles to ensure an even safer working environment.



* Wear gloves when handling the cartridge





The sterilization cartridge is made of a dual-wall construction that holds up well against impact. The user will be automatically notified of its usage count and expiration.

Recording Record-keeping

Includes a process printer and SD card as standard

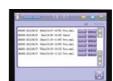
The printer automatically prints out a process record for each cycle. This data is also stored on an SD card.

Data on the SD card can be easily viewed on your spreadsheet program. It offers users a way to make long-term backups for greater peace of mind.





Printout example



History Table



Three choices of color

Three unit color choices are available: Royal Blue, Sicilian Orange, and Premium Black. Choose a color that most suits the color theme of your clinic or hospital.

Accessory

Thermal printer (included as standard)

Sterilization Cartridges



The cartridge's container consists of a sturdy dual-wall construction. It is also designed with accidental leaks in mind.



Primary specifications

Outer dimensions (mm)	1630(H)x750(D)x640(W)
Capacity	76L
Weight	310kg
Power supply / power consumption	3-phase 208VAC/380VAC/400VAC/415VAC at 50/60Hz / 2kW
Door	Automatic swing-down door
Hydrogen peroxide supply	Cartridge
Sterilization temperature	50°C
Process time (cycle)	Approx. 60 minutes

SD card for data storage (included as standard)	
Other	Status display (LCD)
Medical device category*	Controlled medical device (ClassII), Controlled medical devices requiring special maintenance
Approval number*	22300BZX00074A01
Generic name	HYDROGEN PEROXIDE GAS STERILIZER ES-700
Sales name	High-Speed Low-Temperature Sterilization System ES-700
Made in Japan	

Please note that the product shown is subject to modifications or changes to its specifications without notice. Please also note that product colors shown may vary slightly from actual product colors due to irregularities in the printing process.



- Read the "User's Manual" well before using unit, and use the unit properly.
- Do not place flammable items such as alcohol, gasoline, and gas in the sterilizer as these may explode.
- Always connect the unit to a dedicated 3-phase power supply with at least 200VAC at 20A. Make sure that its ground is connected to a line that
 has been installed according to type D (type 3) ground line specifications.
- The sterilizer is categorized as a small pressure vessel for the purpose of the Industrial Safety and Health Law. Therefore, make sure to carry out self-initiated inspections on a regular basis.
- Make sure to manage sterilization outcomes. Use the chemical indicator on a daily basis, and the biological indicator on a periodic basis.

^{*} Iapan Pharmaceutical Affairs Act



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Certified Management Systems ·ISO 9001, and JIS Q 9001