



# ESS-300LT series

Low Temperature Plasma  
Sterilizer



**STERILIZATION**



# ESS-300LT

Low Temperature Plasma Sterilizer

## Applied range

It is suitable for sterilizing the heat labile and not damp-resistant surgical instruments, during the gynecological endoscopic surgery, ophthalmic surgery, ear, nose and throat surgery and cardiac surgery, especially for sterilizing various rigid endoscopes.

It's widely used in the operating room, the supply room and the other key departments of the medical institutions.

## All of the components of the Key parts are well-known brands at home and abroad



**The touch screen: The domestic famous brand, the humanized interface, and easy to operate.**



**PLC: The PLC is a domestic well-known brand with high transmission quality, high speed and the performance is stable.**



**The electromagnetic valve of SMC: It has stable performance and high security.**



**The photosensitive head, the photoelectric switch, etc.: They are the products of Omron, with extremely high reliability.**



**The vacuum pump: The domestic famous brand, with stable performance.**



# ESS-300LT

## Low Temperature Plasma Sterilizer

### Technical advantages

- The system uses PLC control, touch screen man-machine interface, with U-disk storage function, U-disk reading PC software.  
The performance is stable and the operation is humanized.
- The sterilizing agent of hydrogen peroxide can be accurately measured and injected, which can reduce the cost of the sterilization on the premise of ensuring the sterilization effect.
- It can sterilize the cavity of the stainless steel tube with the inner diameter  $\geq 1$  mm, the length  $\geq 500$ mm, and the PTFE hose with the inner diameter  $\geq 1$  mm and the length  $\geq 2000$ mm.
- The automatic lifting and sealing door with the far-infrared anti-clamping hand design is used to ensure the safety of the operator under the false operation.
- The product is oxygen and water after sterilization , no toxicity to the environment and human body, safe and environmental protection.
- The equipment has the function of automatic detection of the system, real-time monitoring of the sterilization process, such as abnormal, the system automatically alarm, and show the cause of failure, and with automatic fault detection function.
- The Vacuum pumps, the electromagnetic valves, the metering devices, the air filters and the other core components are all the domestic and international well-known brand.
- The purification device of the hydrogen peroxide can effectively increase the concentration of hydrogen peroxide, so to improve the sterilization effect.

### The main technical parameters

- The sterilizing agent: 55-60% hydrogen peroxide;
- The environmental requirements: The temperature is 5 °C to 40 °C, Humidity  $\leq 80\%$
- The sterilization time: The standard cycle  $\leq 52$  minutes.



# ESS-300LT

Low Temperature Plasma Sterilizer

## Features

	The square cabinet, Single door	The square cabinet, Single door
Model	ESS-300LT/80	ESS-300LT/120
Capacity	90	130
The structure of the door	Single door	Single door
Cabin size (W x H x D)	450 x 312 x 670mm	450 x 410 x 780mm
Outline dimension (W x H x D)	696 x 1440 x 923mm	816 x 1798 x 1018mm
Net weight	180KG	240KG
Supply voltage	220V,Uniphase	220V,Uniphase
Frequency	50Hz	50Hz
Power	3KW	3KW



ESSE3 srl, Via Garibaldi 30  
14022 Castelnuovo D.B. (AT)  
Tel +39 011 99 27 706  
Fax +39 011 99 27 506  
e-mail [esse3@chierinet.it](mailto:esse3@chierinet.it)  
web: [www.esse3.dreamgest.com](http://www.esse3.dreamgest.com)

