H₂O₂ Low Temperature Plasma Sterilizer





PS-100XP

Product introduction

WANROOE Plasma sterilizer takes H_2O_2 as sterilizing agent and form plasmatic state of H_2O_2 by electromagnetic field under low temperature. It combines both gaseous and plasmatic H_2O_2 to make sterilization for the items in chamber and decomposes the residual H_2O_2 after sterilization.

It is widely used in CSSD or other medical institute for the sterilization of electric wire and cable, optical glasses and glass lens, power equipment and batteries, endoscopes, catheter, nonmetallic and other wet or heat sensitive instruments.



Scope of application

The sterilizer is applicable to sterilize the medical instruments that are thermolabile or non-moisturetight. It is not applicable to the sterilization of liquid, powder or cotton fabrics. All the medical instruments that meet the following conditions can be processed by this sterilizer.

PS-100:

- Metal tubular instrument: inner diameter≥1mm; length≤500mm
- Nonmetal tubular instrument: inner diameter≥1mm; length≤2000mm PS-200:
- Metal tubular instrument: inner diameter≥0.8mm; length≤300mm
- Nonmetal tubular instrument: inner diameter≥1mm; length≤1000mm

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Product features

Low temperature sterilization

The sterilization temperature is 50±5°C which is much lower than steam sterilization. It is dry sterilization that has no harm on instrument, so it extends the device service life.

Safe and environment friendly

The matter after sterilization is water and oxygen molecule that have no toxic harm to staff or patient, and there is no need for drainage or air exhausting. High efficient H_2O_2 filter is installed in the exhausting outlet to guarantee no H_2O_2 pollution to the environment.

Time-saving and cost-efficient

Rectangular chamber has greater capacity, high efficiency and short sterilizing cycle (≤50mins). The sterilized articles can be used directly without extra processing. It can increase the instrument turnover and decrease the storage of precious instrument to cut cost indirectly.

Convenient

Only power supply is needed for installation. The system adopts man-machine control interface with intelligent program design. Equipped with foot switch (alternative) and integrated biological incubator (alternative).

Multiple models

The door structure of the sterilizer is customizable (single or double door). To meet pharmaceutical factory needs, chamber material can be stainless steel.

Reliable sterilization

The chamber adopts alloy material which has good thermal conductivity to guarantee a stable temperature in the chamber. The purification system makes the H_2O_2 diffuses uniformly. The low temperature storage system provides a stable concentration of H_2O_2 .

Safe sealing door

The sterilizer adopts mandril-driving auto overhead door with reliable sealing function and safe lock device to guarantee personal safety.

Data management

The 2048M storage (alternative) can store original data for inquiring. Mini printer can be used to print operation data timely. There are two types of record methods to guarantee the data is 100% acquirable.

Advanced configuration

The vacuum pump, controller, pressure transmitter and other key components are world famous brand. The sterilizer equipped with multiple programs and bar code identification system (alternative).

Reassuring

We provide comprehensive operation training materials to key components maintenance intelligent reminding system for your convenience.

Alternative configuration

USB flash disk storage

Timely sterilizing information storage to guarantee all data can be safely stored and traced during the sterilizer service life. This configuration can also be updated to traceability system.

Integrated biological incubator

The biological incubator will timely display temperature and incubate time. It equipped with independent control system that could work in the case of the sterilizer switched off.

Foot switch

Simply kick the switch to open or close the door.

Alloy storage rack

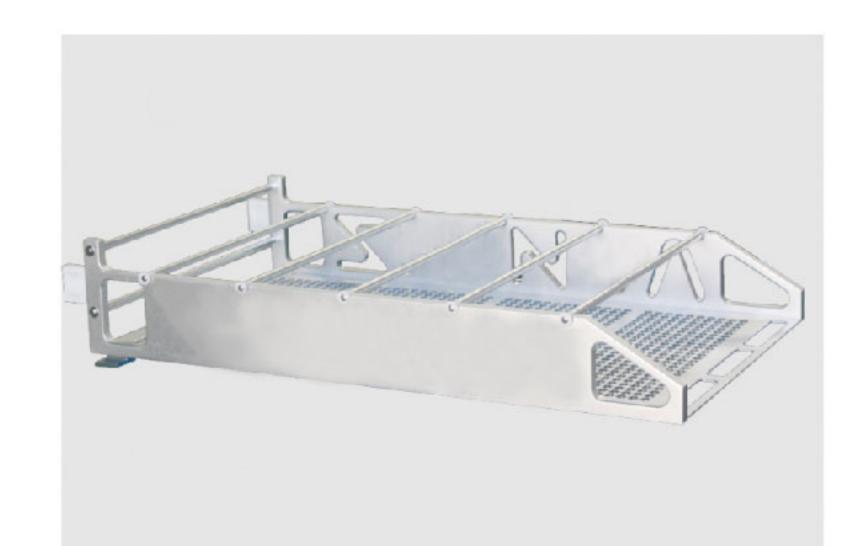
The alloy storage rack realizes that sterilized articles can be separately stored.

Metallic sterilizing container

To improve sterilizing result, we provide various sterilizing container for different kinds of instruments and operation kits.

Auto elevating trolley

The trolley equipped with auto elevating platform, chargeable lithium battery. The convenient memory function could record three different positions.







Auto elevating trolley

Order code	T-100	T-200	
Overall dimensions(L×W×H)mm	1150×780×1165	1650×780×1165	
Suitable sterilizer	PS-100	PS-200	

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Technical Parameters

Model	PS-40	PS-100		PS-200		
Order code	PS-40	PS-100X	PS-100XP	PS-200X	PS-200XP	
Chamber dimensions (L×W×H)mm	650×380×260	750×450×400	750×450×400	1250×450×400	1250×450×400	
Volume (L)	64	135		225		
Overall dimensions (L×W×H)mm	850×725×750	990×760×1600	990×760×1600	1460×760×1600	1460×760×1600	
Weight (Kg)	200	400		500		
Power supply	220V 50Hz	380V 50Hz		380V 50Hz		
Power (Kw)	3.5	3.8		4.7		
Environment temperature	10~40					
Minimum installation room(L×W)mm	1500×900			2000×1200		
Minimum repair distance	1 meter for each side					

Consumable items



Biological indicator (self-contained)
Bacteria: Thermophilic fat bacillus

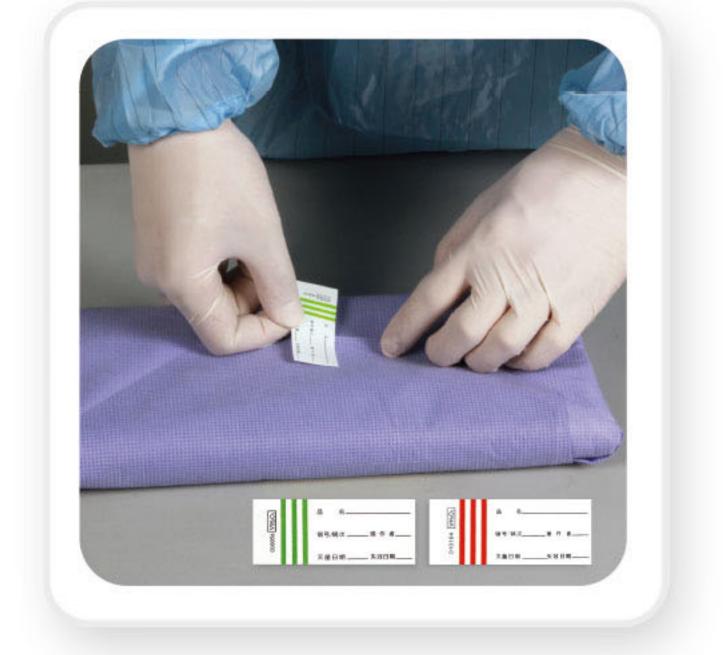
Quantum: 2~5×106



Chemical indicator card



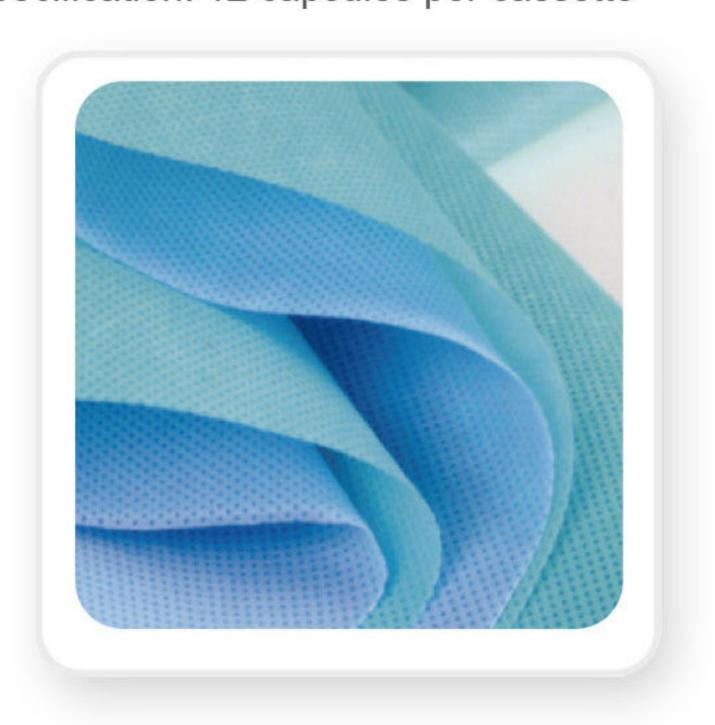
Microbicide
Name: hydrogen peroxide (H₂O₂)
Concentration: 60%
Specification: 12 capsules per cassette



Chemical indicator label



Paper-plastic wrapping bag Size: wide: 75/100/150/250mm



Non-woven fabric Size: 500×500mm, 800×800mm, 1200×1200mm