



PS

H₂O₂ Low-temperature Plasma Sterilizer

MEDIQUA
Life Science Solutions

PS H₂O₂ Low-temperature Plasma Sterilizer



PS-100XP



PS-100X



Instruction

The H₂O₂ Low-temperature Plasma Sterilizer uses hydrogen peroxide (H₂O₂) as the sterilizing agent. Under the low temperature environment, the air inside the sterilization chamber is removed through the vacuum process, so that the hydrogen peroxide is evenly diffused throughout the sterilization chamber to sterilize the items inside the chamber, and the residual hydrogen peroxide inside the chamber is decomposed by the plasma generator.



Flexible endoscope cycle

The Flexible endoscope cycle is designed according to the structure and material characteristics of the endoscope, which effectively prolongs the service life of the endoscope.





PS-200X



PS-40X



Vacuum dry function module (Optional)

The vacuum dry module can perfectly combine the plasma sterilizer with the vacuum dry cabinet to thoroughly dry the lumen instruments and ensure the sterilization quality. It completely replace the vacuum dry cabinet.



PS H₂O₂ Low-temperature Plasma Sterilizer



Technical Advantages

Multiple Cycles

Full Cycle	For sterilization of lumen instruments
Flexible Endoscope Cycle	For sterilization of 2 endoscopes
Flash Cycle	For surface sterilization of small quantities
Vacuum Dry	For drying lumen instruments

Authoritative Certifications

Item	Test Agency
CE Certification	DNV
CFDA Certification	CFDA
Sterilization Effect Test	CDC
Environment H ₂ O ₂ Concentration Test	CDC
H ₂ O ₂ Purification Effect Test	CDC
Cytotoxicity Test	CFDA
Metal Corrosion Test	CDC
Instruments H ₂ O ₂ Residue Test	CDC
Electromagnetic Compatibility Test	Beijing Medical Device Test Institute

⊙ Stable Sterilization

The sterilization chamber is made of aluminum alloy, which has superior thermal conductivity and makes the temperature of the chamber more balanced; the hydrogen peroxide purification system makes the hydrogen peroxide diffusion concentration more uniform.

⊙ Intelligent Informationization

Intelligent maintenance reminders for key components, real-time monitoring of physical parameters (chamber pressure, temperature, plasma power output and sterilization time), touch screen display of data and printing by thermal printer; application of 16G large-capacity memory to save all data during the life cycle of the machine (optional); with a variety of data interfaces, which can be connected to the traceability system (optional).

⊙ High-end Configuration

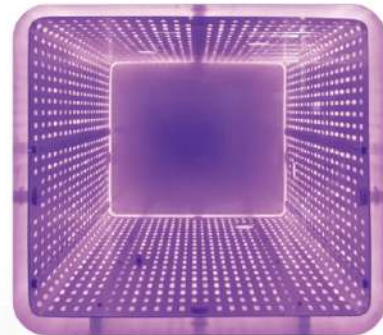
Controller, pressure sensor, solenoid valve, vacuum pump and other key hardware all adopt imported products.

⊙ Trusted and Reliable

Install more than 6,000 units with operational stability and instrument compatibility, which has been proven in practice.

⊙ Reliable Operation

Hands-on training, 24-hour customer service throughout the country, so let you no worries.



PS H₂O₂ Low-temperature Plasma Sterilizer



Perfect Partner (to be ordered separately)

⊙ Lumen Dryer

Used for drying of lumen instruments before packing;

It has independent control system, LED temperature display, adjustable temperature range of 40~80°C, real-time heating of compressed air to provide hot air source for drying lumen instruments and complex instruments.



Lumen Dryer

⊙ Automatic Lifting Trolley

The platform is free to lift with the electric lifting column; lithium battery power supply, once charged for a long time use; with memory function, can record three positions, which is easy to use.



Automatic lifting Trolley



Consumables



Bio-indicator (self-contained)

Strain: *Bacillus thermophilus*;

Amount: 1x10⁶CFU/branch-5x 10⁶CFU/ branch



Sterilize Process Indicator Card



Sterilizing Agent

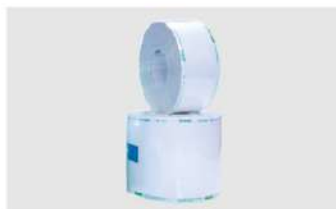
Name: Hydrogen Peroxide H₂O₂

Concentration: 56%-60% (6.84x 10³g/L-7.75 x 10³g/L)

Specification: 12 /cartridges



Sterilize Process Indicator Label



Paper-plastic Bag

Specification:Width 75mm, 100mm, 150mm,
200mm, 250mm, 300mm



Non-woven

Specification: 300x300mm, 400x400mm, 500x500mm,
600x600mm, 700x700mm,
800x800mm, 900x900mm, 1000x1000mm,
1200x1200mm



Optional Configuration

⊙ Vacuum Dry Function Module

After pre-drying, the instruments are put into the sterilization chamber, and the water boiling point is lowered with the reduction of air pressure at 50-60°C, and the water inside the lumen instruments will be completely dried after 15~60min vacuum drying.

⊙ Data U-disk Storage

Large-capacity U disk stores sterilize information in real time to ensure the safe storage of all data during the equipment service life. The stored data can be checked by computer. This configuration can be extended to a traceability system.

⊙ Integrated electric incubator

The electric thermostatic incubator is integrated with the equipment, with real-time display of temperature and running time of different incubation groups, inductive automatic incubation mode which is more convenient; with independent control system, the equipment can be shut down and still carry out biological culture, which is more energy-saving.

⊙ Metal Sterilize Box

A variety of sterilize boxes are suitable for different instruments and surgical kits, which is to improve the sterilization effect and easy to use.

⊙ Paper-plastic Packaging Carrier

Adjustable spacing, horizontal and vertical loading, suitable for loading different sizes of items, ensuring that the placement of paper-plastic packaging bags meets the sterilize requirements.



Integrated Electric Thermostat Incubator



Foot Switch



Sterilize Basket



Paper-plastic Packaging Carrier



Metal Sterilize Box



Technical parameters

Model	PS-40X	PS-100X PS-100XP	PS-150X	PS-200X
Technical parameters				
Chamber size(L×W×H)mm	650×380×260	750×450×400	1000×450×400	1250×450×400
Volume(L)	64	135	180	225
Overall Dimensions(L×W×H)mm	880×815×790	1030×760×1760	1260×760×1760	1510×760×1760
Weight(Kg)	200	400	450	500
Power connection	220V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Rated power(kw)	3.5	3.8	4.0	4.7
Install ambient temperature(°C)	10~40			
Min install space(L×W)mm	1500×900			2000×1200
Min maintenance distance	1M on both sides			



Automatic lifting Trolley

Order No	T-100	T-200
Technical parameters		
Overall Dimensions(L×W×H)mm	1150×780×1165	1650×780×1165
Applicable sterilizer	PS-100	PS-200



Lumen Dryer

Order No.	Power supply	Power	Overall Dimensions (L×W×H) mm	Air compressor(Optional)
DRYING-1	220V50Hz	230W	180×60×380	120L/min

Mediqua S.r.l.

Address: via Ragusa, 13A - 00041 Albano Laziale
(Rome) Italy

email: info@mediqua.eu
website: www.mediqua.eu