

Hydrogen Peroxide Low Temperature Plasma Sterilizer 100L

Applicable Medical Instruments For Sterilization

Laoken low temperature plasma sterilizers are suitable for surgical instruments including metal, non metal, humidity and heat sensitive instruments.

Metal:

Stainless steel, Aluminium, Bronze, Titanium and Various other metals.

Nonmetal:

Glass, Plastic (Plastic: Poly-acetal, Ethenyl, Styrene Polymers)
Polycarbonate, Ethylene Resin, Poly Methyl Methacrylate,
Non-woven Fabrics, Polyurethane, Polyvinyl Chloride, Nylon.

Papers, Powder or Granular substances, Pledgets and Hygroscopic articles cannot be sterilized!
Instruments with cleaning agents residues, or that are wet should not be sterilized!



sterilization chamber



Standard Accories
Fixed shelves



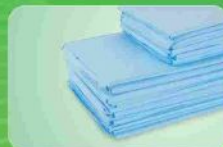
Optional Accessories

Mobile Shelves



Hydrogen Peroxide Plasma Sterilizer Consumables

We supply the complete range of consumables required for Low Temperature Hydrogen Peroxide Sterilization and guarantee high quality materials at extremely competitive prices.



Non-Woven Drapes



Instrument Boxes



Heat Seal Sterilization Rolls



Chemical Strip Indicators



Indication Label



Chemical Indication Tape

Sterilization Comptability

Hydrogen Peroxide Low Temperature Plasma Sterilizers can rapidly sterilize most metal and non-metal instruments, except items containing oil, powder, paper, cotton material and other wet and absorbable material.



Polytetrafluoroethylene tubul



single routeway



LCD touch screen



Built in Biological Incubator

Data recording by printer

Cassette

The cassette is one of the key technologies for a Hydrogen Peroxide Low Temperature Plasma Sterilizer, in accurately controlling the amount of hydrogen peroxide injected. Inadequate hydrogen peroxide injection will not meet full sterilization and overabundance hydrogen peroxide injection will leave residue. Therefore the injection system is the key point, hence our LK/MJG series of sterilizers utilizes cassettes which have 12 capsules per cassette and each capsule is filled accurately with 2ml of 58% hydrogen peroxide. One capsule per cycle insures constant hydrogen peroxide injections.

Cassettes have the following advantages: easy storage, easy operation and easy replacements to guarantee the safety of operators.

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Built-in biological incubator



Data recording by printer



LCD Touch Screen



Shelving



Clean Door



Dirty Door

Pass-through (double-door) design

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Heat Preservative Chamber

Hydrogen Peroxide Low Temperature Plasma Sterilizers are extremely sensitive to temperature differences in the sterilization chamber. Laoken's LK/MJG sterilization chambers are manufacture from 8mm corrosive resistant aluminium, which improves all round heat distribution. Hence the temperature in the chamber can remain more constant and equal during the entire cycle to guarantee nonhazardous or toxic residue and is guaranteed to reach stable sterilization.

A further advantage of the chamber is the rectangular design of Laoken's LK/MJG sterilizers which has a much bigger loading capability than round sterilization chambers. The chamber can hold more instruments at one time and has a enhanced sterilization efficiency.

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single routeway



polytetrafluoroethylene tubul

H ₂ O ₂	Technical Specifications		100lt
Sterilization Cycle Time	Standard Cycle: Test Cycle:	Mean Time: 55min's - Max Time 58min's Mean Time: 31min's - Max Time 33min's	
Sterilization Chamber	Configuration: Material: Chamber dimensions: Chamber volume: Usable volume: Sterilization temperature: Instruments tray numbers:	Rectangular. Aluminum. 450mm X400mm X690mm. 124 Liters 100 Liters 45+/-3 °C 2 mobile trays (up to 2 layers per tray)	
System Controlling	The system is fully automated, controlled by microprocessor controller.		
Biological Incubator	Built in biological incubator with 8 positions.		
Display &Printer Outputs	6.5inch, TFT true color, touch screen. Built- in heat sensitive Micro printer.		
Flash Memory Card	32MB smart memory card in order to generate system performance record and data storage for each cycle.		
Hydrogen peroxide cassette	Hydrogen peroxide concentration: 58 %. Hydrogen peroxide validity: 1 year. * The steriliser works with a system with closed cassettes that guarantees the use of the same volume of sterilizing agent for each sterilization cycle. * one cassette of the sterilizer performs 6 standard mode and 12 test mode. * The expiry of the cassette is shown on the touch screen.		
Dimensions, Weight	Dimensions : Net Weight: Gross Weight:	800mm X 1730mmX 1002mm 490Kg. 590Kg	
Sterilization Level	Sterilization efficacy: SAL 10 ⁻⁶		
Installing Space	Minimum area: Minimum service access: Minimum distance from wall Venting requirements:	1400mm X1400mm X2000mm. 1000mm. 100mm Not required.	
Door Positioning	Automatic vertical sliding door controlled by hand switch, foot switch and the touch screen.		
Placement	Built in locked wheels to provide mobility.		
Connections	Electricity only. 380 v, 50 Hz, 16A, 3phase. No additional connections with water and drain channel.		
Operational Environment	Ambient temperature: Relative Humidity:	5°C - 40°C. 30% - 95 %RH.	
Sterilization Efficacy	The LK/MJG series plasma sterilizers reach sterilization efficacy with different instruments to include (but not limited to) -Single channel stainless steel lumens 500mm sterilization efficacy with diameter at least 1mm -Single channel Polyethylene/Teflon lumens 2000mm sterilization efficacy with diameter at least 1mm		
Accessories and Consumables	Laoken produces and provides all the necessary consumables for sterilization - cassettes, containers, packing paper, packing reels, chemical and biological indicators.		
Standards and Directives follows	ISO 9001:2008/ISO 13485:2003/ISO 14937:2009/MDD 93/42/EEC & Latest Amendment 2007/47/CE		

H ₂ O ₂	Technical Specifications		200lt
Sterilization Cycle Time	Long Cycle: Standard Cycle:	75 minutes. 45 minutes.	
Sterilization Chamber	Configuration: Material: Chamber dimensions: Chamber volume: Usable volume: Sterilization temperature: Instruments tray numbers:	Rectangular. Aluminum. 680mm X450mm X800mm. 245 Liters 200 Liters 45+/-3 °C 2 Levels 4 Layers.	
System Controlling	The system is fully automated, controlled by microprocessor controller.		
Biological Incubator	Built in biological incubator with 8 positions.		
Display &Printer Outputs	6.5inch, TFT true color, touch screen. Built- in heat sensitive Micro printer.		
Flash Memory Card	32MB smart memory card in order to generate system performance record and data storage for each cycle.		
Hydrogen peroxide cassette	Hydrogen peroxide concentration: 58 %. Hydrogen peroxide validity: 1 year. * The steriliser works with a system with closed cassettes that guarantees the use of the same volume of sterilizing agent for each sterilization cycle. * one cassette of the sterilizer performs 3 standard mode and 6 test mode. * The expiry of the cassette is shown on the touch screen.		
Dimensions, Weight	Dimensions : Net Weight: Gross Weight:	1000mm X 1100mmX 1790mm 685Kg. 760Kg.	
Sterilization Level	Sterilization efficacy: SAL 10 ⁻⁶		
Installing Space	Minimum area: Minimum service access: Venting requirements:	2000mm X2000mm X2200mm. 1000mm. Not required.	
Door Positioning	Automatic vertical sliding door controlled by hand switch, foot switch and the touch screen.		
Placement	Built in locked wheels to provide mobility.		
Connections	Electricity only. 380 v, 50 Hz, 16A, 3phase. No additional connections with water and drain channel.		
Operational Environment	Ambient temperature: Relative Humidity:	5°C~ 40°C. 30%~ 95 %RH.	
Sterilization Efficacy	The LK/MJG series plasma sterilizers reach sterilization efficacy with different instruments to include (but not limited to) -Single channel stainless steel lumens 500mm sterilization efficacy with diameter at least 1mm -Single channel Polyethylene/Teflon lumens 2000mm sterilization efficacy with diameter at least 1mm		
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