Technical Specifications		
Sterilization Cycle Time	Long Cycle: Standard Cycle:	mi 70 tes. m45utes.
Sterilization Chamber	Shape: Material: Chamber dimensions (WxHxD): Chamber volume: Usable volume: Sterilization temperature: Instruments tray numbers:	Rectangle. Aluminum. 680mm X450mm X800mm. 2:16rs 12:0ers 45+/23 2 LevelsL4ayers.
System Controlling	The system isfully automated, controlledby microprocessor controller	
Biological Incubator	Built in biologicalincubator with 8positions.	
Display &Printer Outputs	6.5inch, TFTtrue color,touch screen. Built- in heatsensitive Micro printer	
Flash Memory Card	32MB smart memorycard in orderto generate systemperformance record and data storagefor each cycle.	
Hydrogen peroxide cassette	Hydrogen peroxide concentration: 58 %. Hydrogen peroxide validity: 1 year. * The steriliser works witha system withclosed cassettes thatguarantees 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:	100 0 /m 11 00mmX 1790mm 560Kg. 90 K g.
Sterilization Level	Sterilization efficacy: SAL 10 ⁶	
Installing Space	Minimum area: Minimum service access: Venting requirements:	200 0 62000mm X2200mm. 1000mm. Not required.
Door Positioning	Automatic vertical slidingdoor controlled byhand switch, footswitch and the touch screen.	
Placement	Built in lockedwheels to providemobility.	
Connections	Electricity only. 380 v, 50 Hz,16A, 3phase. No additional connections with water and drain channel.	
Operational Environment	Ambient temperature: Relative Humidity:	-540°C. -3 9 5 %RH.
Sterilization Efficacy	The LK/MJG seriesplasma sterilizers reachsterilization efficacywith different instruments to include (butnot limited to) -Single channel stainlesssteel lumens 500mmsterilization efficacywith diameter at least1mm -Single channel Polyethylene/Teflon lumens 2000mmsterilization efficacy with diameter atleast 1mm	
Accessories and Consumables	Laoken produces and provides all thenecessary consumables for sterilization - cassettes, containers, packing paper, packing reels, chemical and biological indicators.	
Standards and Directives follows	ISO 9001:2000/ISO 13485:2003/ISO	14937:2000/MDD 93/42/EEC+2007/47/CE



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HYDROGEN PEROXIDE LOW TEMPERATURE PLASMA STERILIZER

LK/MJG-200L



Hydrogen Peroxide Low Temperature Plasma Sterilizer

LK/MJG-200

Design Conception

Hydrogen peroxide low temperature plasma sterilization technology is to create plasma inside of sterilization

Hydrogen Peroxide is a kind of high effect oxidant, when it enters into vacuumed sterilization chamber in gas state, hydrogen peroxide and water diffuse quickly into a slurry state under strong electromagnetic field. Then the slurry decomposes into high active free radicles and diffuses to the surfaces. inside and apertures of instruments. Gas slurry of mdecules is then created (mainly free electrons and ions). The active molecules kill bacterias and microorganisms on heat sensitive surgical instruments and then pressure in chamber increases to atmospheric pressure. Finally, sterilization circulation ends and the particles recombine into water and oxygen and discharged without any residue.

Laoken brand plasma sterilizer is applicable for

surgical instruments including metal, nonmetal,

Metal: stainless steel, aluminum, bronze, titanium

nonmetal: glass, plastic (plastic: poly-acetal,

woven fabrics, Polyurethane, polyvinyl chloride,

papers, pledget and hygroscopic articles are

Cannot sterilize hygroscopic instruments.

no tallowed to put in the chamber.

Can not sterilize powderobjects.

humidity and heat sensitive instruments.

and some other metals

Brief Introduction

LK/MJG series sterilizer adopts internationally advanced low temperature hydrogen peroxide sterilization technology.

The sterilizer can reach reliable fast and effective sterilization on metal, non-metal, humidity and heat sensitive medical instruments. No offensive residue, safe to operator, high efficiency to reduce the instrument storage are the top values of LK/MJG Low temperature plasma

Product Development

In late 20th century , application and development of minimal invasive surgery were highly enhanced with the development of science and technology and higher requirements for health from human being.

The popularization of minimal invasive surgery is a trend of modern operation. On this base, choosing a safe, environment friendly, easy and fast sterilization equipment is very important. Laoken's Hydrogen Peroxide Low Temperature Plasma Sterilizer is the right product which can meet all requrements mentioned above from the clients.

LEG HETT

LCD touch screen



Advantages

LK/MJG adopt full computer control system. LCD touch screen provide man-machine conversation platform. Laoken plasma sterilizer can monitor and recognize biological incubation result automatically with easy operation. Printing system can print accurate current and stored sterilization parameters and results.

Heat preservation chamber

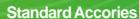
Hydrogen peroxide low temperature plasma sterilizer is very sensitive to temperature difference in sterilization chamber. LK/MJG series sterilization chamber adopts full Aluminium with good heat conductibility. Temperature in the chamber can keep constant equal after chemical treatment to guarantee no offensive residue and reach stable sterilization effect.

With same capacity, rectangle design of LK/MJG sterilization chamber has much bigger loading capability than round sterilization chamber The chamber can hold more instrument 12 sets of laparoscopic can be sterilized at one time and also enhance sterilization efficiency.

- Pass-through (double-door) design
- 2 levels 4 layers shelves
- 3 200 Liters usable volume
- **&** Easy Operating
- Broad application scope
- **8** Safe to operator and environment
- **8** Low temperature sterilization
- # Easy fixing
- **Efficient sterilization**

sterilization chamber





2 Levels 4Layers shelves



Pass-through (double-door) design



Consumable

All the consumables are of the best materials and competitive price. We can meet various personalized requirements for some of the consumables.



Non-woven fabric

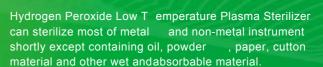


Chemical indicate strip





Packages meet specifications Seal for all instruments





polytetrafluoroethylene tubul



Advantages of Biological Indicator

The best temperature for the growth of ATCC7953 is about 50 ℃ and it could also grow well at 75 ℃. The temperature is close to the working temperature of hydrogen peroxide low temperature plasma sterilizer. Meanwhile, A TCC7953 has more endurance to hydrogen peroxide. Therefore, adopting ATCC7953 as biological indicator could show hydrogen peroxide low temperature plasma sterilization effect

Most eugenic bacteria is ATCC7953 in the environment of 40-55 °C , according to the latest edition of European codex, ATCC7953 is sporeformer to replace A TCC9372. So A TCC7953 is selected as biological indicator to inspect sterilization efficiency.

Cassette





cassette: one of the key technology for hydrogen peroxide low temperature plasma sterilization is to accurately control the injection of hydrogen peroxide. Inadequate hydrogen peroxide injection can not meet sterilization requirement; overuivection leaves residue. Therefore, injection system is the key point. A media to store the hydrogen peroxide is very import. LK/MJG series adopt capsule cassette. 2ml 58% hydrogen peroxide is stored in the capsule in accurate volume. One capsule for one cycle to ensure invariable hydrogen peroxide injection. Moreover, capsule cassette storage have advantages of easy storage, easy operation and easy replacement to guarantee the safety of operators.

