



*Dragon Series
Hydrogen Peroxide
Low Temperature Sterilizer*



Medical

Hydrogen Peroxide Low Temperature Plasma Sterilizer

The Dragon series hydrogen peroxide low temperature plasma sterilizer is designed for rapid yet gentle sterilization of items sensitive to high temperature and moisture. It has a highly efficient cycle time of 30 minutes at 55LC. One of the most important requirements for plasma sterilizers is the ability to successfully process lumens. The unit will sterilize a 1mm stainless steel lumen up to 500mm and a 1mm polyethylene/teflon steel lumen up to 2000mm within 30 minutes.

Installation requires nothing more than a dedicated power outlet. No costly plumbing, no special ventilation or monitors are required.

Low-temperature hydrogen peroxide gas plasma is non toxic and non carcinogenic to staff and patients. The by-products of the cycle are water and oxygen, eliminating the need for aeration or ventilation.



**Dragon Series
LK/MJG-200L**



**Dragon Series
LK/MJG-50L**



**Dragon Series
LK/MJG-150L**



**Dragon Series
LK/MJG-100L**



**Dragon Series
LK/MJG-35L Bench Top**

Features

- Rectangular aluminium chamber designed for trouble-free diffusion
- LCD Touch screen controls with one press start
- 15 minutes pre-heating (only needed for first cycle of the day)
- 28-33 minutes cycle
- Cassette sealing and identification system to guarantee injection accuracy without any waste
- 32M memory card for cycle record retention
- Simple maintenance
- Lockable casters for easy moving
- Two sliding shelves can accommodate 4 levels

The following on the 50L, 100L, 150L and 200L only

- Built in biological incubator
- Foot switch door operation

Cassette

One of the important factors for low temperature plasma sterilization is to accurately control the injection of hydrogen peroxide. Inadequate hydrogen peroxide injection results in failed sterilization and over injection leaves residue. The Dragon series uses a cassette to deliver an accurate volume. This cassette system has the advantage of easy storage, easy operation and easy replacement.



**Hydrogen Peroxide
Cassette**

Additional Features



Slide out chamber trays



LCD Touch Screen

Built in Biological incubator

Data recording Printer



Technical Specifications					
	LK/MJG-200L	LK/MJG-150L	LK/MJG-100L	LK/MJG-50L	LK/MJG-35
Cycle Time	Long Cycle : 70 min. Std. Cycle : 45 min.	Long Cycle : 35 min. Std. Cycle : 25 min.	Long Cycle : 55 min. Std. Cycle : 31 min.	Long Cycle : 53 min. Std. Cycle : 30 min.	Long Cycle : 33 min. Std. Cycle : 17 min.
Sterilization Chamber Shape: Chamber Dimensions (HxWxD): Chamber Volume: Usable Volume: Tray Size (HxWxD) - 2 Off: - 4 Off	Rectangle 450x680x800mm 245 litres 200 Litres 615x100x760mm 615x75x760mm	Rectangle 450x520x800mm 187 Litres 150 Litres 350x170x750mm 350x75x750mm	Rectangle 400x450x690mm 124 Litres 100 Litres 350x170x640mm 350x75x640mm	Rectangle 220x490x670mm 72 Litres 50 Litres 405x20x630mm	Rectangle 220x250x660mm 36 Litres 33 Litres 193x25x620mm
Dimensions & Weight Dimensions (HxWxD): Net Weight: Gross Weight:	1790x1000x1100mm 560kg 620kg	1790x860x1100mm 600kg 700kg	1730x800x1002mm 490kg 590kg	1490x800x940mm 400kg 480kg	960x700x680mm 135kg 165kg
Installation Dimensions Minimum distance from wall: Minimum service access to front: Venting requirements:	100mm 1000mm Not required	100mm 1000mm Not required	100mm 1000mm Not required	100mm 1000mm Not required	100mm 1000mm Not required
Controller	Fully automated microprocessor controller				
Display & Printer	6.5 inch (16.5cm) TFT true colour touch screen				3.5 inch (9cm) TFT true colour touch screen.
Printer	Built in heat sensitive micro printer				
Flash Memory Card	32MB memory card record and data storage for each cycle				
Hydrogen peroxide cassette	Hydrogen peroxide concentration: 58% Shelf life: 1 year One cassette has the capacity for 12 standard or 6 long cycles The expiry of the cassette is shown on the touch screen				
Sterilization Level	Sterilization efficacy: SAL 10 ⁶				
Door	Automatic vertical sliding door controlled by hand switch, foot switch and touch screen.				Hinged door
Electrical connection	Switched socket outlet, 415V, 20A, Round 5 pin - Clipsal: 56C520				240V, 50Hz, 10A, Single phase
Operational Environment	Ambient temperature 5 - 40°C. Relative humidity 30 - 95% RH.				
Accessories and Consumables	All necessary consumables for sterilization eg, cassettes & containers are available from Atherton				
Standards	ISO9001, ISO13485, ISO4937, MDD 93/42/EEC				

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Atherton Service

Atherton Service Technicians are fully trained and highly experienced in the installation, service and repair of our products. Based around Australia, an Atherton service technician is available 24/7 and within 4 hours in all capital cities "Right Here, Right Now!"

Maintenance Plans

To ensure your equipment is running at optimum efficiency, Atherton offers a "Service Maintenance Plan" tailored to your needs. Regular servicing helps your equipment maintain a reliable, extended operating life and reduces the risk of emergency breakdowns.



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