

Atherton



DRAGON

HYDROGEN PEROXIDE LOW
TEMPERATURE STERILIZER

SESS

AFFORDABLE EFFICIENT

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 highly efficient cycle times at 55°C. 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.

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.

FEATURES

- Rectangle aluminum 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)
- 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
- 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



Dragon Series
LK/MJG-150L



Dragon Series
LK/MJG-100L



TECHNICAL SPECIFICATIONS

	LK/MJG - 150L	LK/MJG-100L
Cycle Time	Long Cycle: 35 min. Std. Cycle: 25min.	Long Cycle: 55 min. Std. Cycle: 31min.
Sterilization Chamber Shape: Chamber Dimensions (HxWxD): Chamber Volume: Usable Volume: Tray Size (HxWxD) - 2 off: - 4 off:	Rectangle 450x520x800mm 187 litres 150 litres 350x170x750mm 350x75x750mm	Rectangle 400x450x690mm 124 litres 100 litres 350x170x640mm 350x75x640mm
Dimensions & Weight Dimensions (HxWxD): Net Weight: Gross Weight:	1790x860x1100mm 600kg 700kg	1790x800x1002mm 490kg 590kg
Installation Dimensions Minimum distance from wall: Minimum service access to front: Venting requirements:	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	
Printer	Built in micro printer	
Flash Memory Card	32MB memory card record and data storage for each cycle	
Hydrogen peroxide cassette	Hydrogen peroxide concentration: 58% Self life: 1 year One cassette has the capacity for 12 standard or 6 long cycles The expiry of cassette is shown on the touch screen	
Sterilization Level	Sterilization efficacy: SAL 10	
Door	Automatic vertical sliding door controlled by hand switch, foot switch and touch screen	
Electrical Connection	Switched socket outlet, 415V 20A, Round 5 pin - Clipsal: 56C520	
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	

SESS is a Macemark Technology company.