Logiclave™ Clinical Sterilizers

A range of large capacity Porous Load sterilizers for the sterilization of medical devices

- Standard rectangular chamber sizes
- Typically either 600 / 800 litres capacity (other sizes on request)
- Proven and easy to use Logiclave™ type control system
- Single and double ended versions available
Applications

Aimed at the sterilization of medical devices, the Logiclave Porous Load Sterilizer is intended to process porous and non-porous items by a method using saturated and pressurised steam. It is suitable for steam sterilization of air entrained porous items such as linen, dressings, wrapped instruments and utensils, hollow instruments and instruments with lumens.

Nominal sterilization times and temperatures are:

- 3 Minutes at 134 - 137DegC
- 15 Minutes at 121 - 124DegC

Design

The design of the sterilizer is based on the key requirements of the following standards / references:

- PD5500
- BS EN285
- BS 3970 Pt1
- BS EN 61010
- HTM 2010, HTM2030, CFPP01-01
- C14 NHS Model engineering specifications
- HSE Guidance Note PM73

Vessel Construction

The chamber, jacket and doors are manufactured from minimum 6mm thick high grade 316L stainless steel for maximum corrosion resistance. All process and non-process contact materials are generally stainless steel. Each stage of the vessel manufacturing process is witnessed and certified by an independent Insurance Company who also verify the materials used, welder qualifications, weld procedures and acceptance of hydrostatic pressure test.

Logiclave™ Standard Features

- Logiclave™ controller with full colour touchscreen interface
- Power operated doors
- Floating door seal
- Fully jacketed chambers
- 40 Column thermal printer
- Emergency stop & door safety interlocks
- Multi program
- Vacuum assisted air removal
- Predictive air detector
- Induced leak valves
- Data archiving
- Ethernet connectivity
- Stainless steel pipework and valves
- Pressure gauges
Logiclave™ Options & Accessories

- Independent chart recorder
- Paperless graphical recorder
- Remote data archiving
- Crevice free orbitally welded pipework
- SPF Fascia (Bio-seal) Double door models only
- Air compressor
- Chamber furniture - racks, shelves, carriage etc

Logiclave™ Control System

- Rugged industrial PLC type controller
- Analogue input module
- Temperature input modules
- Digital input modules
- Digital output modules
- Full colour operator interface (Touch sensitive screen)
- Independent data recorder
  The control system software has been specifically developed for the precision control of the sterilizing process. Program configuration, initiation and monitoring of the process are all possible through the ergonomically designed operator interface.

Logiclave™ Data Recording

Each unit is supplied with a 40 column thermal printer as standard. Detailed records of each process cycle run including critical times, temperatures and pressures are printed. Program parameters may also be printed for validation records. The Logiclave™ system automatically archives to internal memory all logged cycle data for future retrieval, printing and analysis. Typically, up to the last twenty cycles are stored in the database. Further options include independent data recorders with either paper or graphical interfaces provide assurance that sterilizing parameters have been satisfied.

Logiclave™ Remote Data Archiving

A PC based data acquisition system that operates over an industry standard Ethernet connection. The Logiclave™ data archiving package can be connected to any number of Logiclave™ controllers giving managers the ability to remotely monitor the status of each Logiclave™ in real time. All logged data generated by the Logiclave™ system is automatically downloaded to a database on the PC. When reviewing the data, the integrity of the data is verified before being displayed.
• Laboratory Autoclaves • Steam Sterilizers •
• Washer Disinfectors • Endoscope Washer Driers •

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