Compact 60 Priorclave

The Priorclave COMPACT 60– ideally suited for confined areas.

- ? Easy to install with a single 13 Amp plug
- ? TACTROL 2 microprocessor control
- ? Quickseal single action door closure system
- ? Castor mounted
- ? Forced air cooling
- ? Media warming cycle
- ? Automatic timed freesteaming
- ? Conforms to BS2646-1993, BS5500 Cat.3, European PED 97/23/EC, EMC compliance tested and CE marked including MDD, amongst others
- ? Supplied with two stainless steel mesh baskets

Design

Operation up to 138ºC –2.4 Bar. The TACTROL 2 microprocessor control system has staged illumination giving digital readouts of cycle status and the simple to set control panel features adjustable temperature and time that can be viewed simultaneously. Ideally suited for use in a wide range of applications:

Sterilisation - media preparation, liquids and diluent, waste, glassware, instruments, apparatus, health care

Non-sterilisation – food processing, plastics, accelerated curing, construction

Extensively used within many industries, including: food, drink, dairy, pharmaceutical, agricultural, education, healthcare, research establishments and industry.

Safety Features:

Complies with current UK and EU safety regulations.

Full Insurance Approval for pressure vessel design and construction and 10 year pressure vessel warranty.

CE Marked under the Pressure Equipment Directive PD5500:2000 Cat 3, Certificate Number SS42059010-5 Rev 1.

The Quickseal II door is fitted with thermal and pressure locks preventing opening of the autoclave at load temperatures above 80ºC and pressures above 0.2 Bar along with a special door gate mechanism, which cracks the gasket seal allowing any residual pressure to safely escape. The unit also features a low water level sensor, protecting against boil-dry conditions.

Protection against cross-infection by the unique **BioCote®** anti-bacterial agent, which is effective against the growth of all bacteria and fungi including MRSA and is incorporated in the epoxy coating on all panels and frame members.

Conforms to the general requirements of BS2646 and CE Marked for BS EN61010-2-41, Low Voltage and Electromagnetic Compatibility Directives.

Technical Specifications

	PS/MID/C60 - Standard Model	PS/MVA/C60 - Vacuum Model
Chamber Material:	Polished grade 316 stainless steel.	
Operating Range	Up to 138C. 2.4 Bar	
:Working Capacity:	60 litres	
Chamber Dimensions:	350mm diameter x 625mm deep	
Loading Height:	850mm	
External Dimensions:	472 x 620 x 900mm (wxdxh)	472 x 790 x 900mm (wxdxh)
Floor Weight:	Approx. 85 Kg.	Approx. 95 Kg.
Minimum space for installation (to allow for connection to services and unrestricted door opening)	472 x 670 x 1395mm (wxdxh)	472 x 875 x 1395mm (wxdxh)
Heat Input:	3kW	
Packed Sizes:		
Standard Packing	Tri-Walled Cardboard Case on wooden pallet.	
Packed Dimensions	900 x 700 x 1090mm (wxdxh)	
Packed Weight (approx.):	90kG	100kG
Export Packing	Plywood case	
Packed Dimensions	630 x 750 x 1080mm(wxdxh)	630 x 920 x 1080mm(wxdxh)
Packed Weight (approx.):	150Kg	160Kg

Services Required

Electrical Supply: 240 volts, 50Hz, single phase rated at 13 amps with earth and neutral via a 1.5 metre long lead fitted with a British 3 pin plug. Other plug types and power supplies available upon request

Water Supply: Not required, manual fill.

Drain Service: A 35mm sealed drain with a constant fall to waste vented at a high level outside of the building to satisfy the requirements of BS 2646 Part 2 1990 if sterilising waste, otherwise a catchment pot to the rear of the Priorclave. The outlet pipe is of 22mm diameter.

TACTROL 2 Control System

'Tactrol 2' is a microprocessor based, purpose designed and built autoclave control system with very easy and fully variable setting of process time and temperature and graphic indication of cycle status. This sophisticated control system enables the simple setting of a large range of autoclave programs. Operation is fully automatic once process temperature and time have been set and the cycle is started.

Load Sensed Process Timing

Guaranteed sterilisation times from a probe in the anticipated coolest

Automatic Freesteaming

Includes a venting period during heating, greatly improving temperature distribution and helping air removal.

Also available – Pulsed Freesteaming – for improved waste

Multi-Program Memory (Option)

Simply press program number required to restore all your settings. Five and ten program options available

Accelerated Cooling

Powerful fans blow cold air over the autoclave vessel reducing cooling times to safe load temperatures. Delayed start selectable to reduce media volume loss.

Media Warming

Forget early morning starts to melt media! The autoclave maintains the media overnight at a ' ready to pour' temperature.

Vacuum (Options)

Pre-Cycle Vacuum to assist air removal. Vacuum Drying and Cooling options are also available.

Process Printer (Option)

A full record of temperature and time is recorded at key stages of the cycle. Your details can be printed at the start of each printout, together with the autoclave serial and cycle number. Pressure and load temperature printing options are also available.

Options and Accessories

A selection of options and accessories to help you to get the best from your Priorclave. *For more specific advice about your specific requirements please contact our Sales Department.*

Baskets and Containers: A selection of baskets and stainless steel discard containers are available for individual models.

Vacuum Air Removal: This is a facility to assist in satisfactory sterilisation of difficult loads of waste products. Using a diaphragm vacuum pump with an evacuation capability down to approximately 200mb absolute, multiple vacuum stages can be programmed and are interspersed with heating stages to achieve steam penetration of the load. Used in conjunction with Tactrol pulsed freesteaming this system produces excellent and reliable results.

Vacuum Assisted Cooling: Designed to rapidly cool plastic and small bottled waste loads, this cooling system (patent applied for) utilises the vacuum pump to rapidly reduce the pressure in the chamber. The reduction in pressure causes the fluids present in the waste load to evaporate, initiating a cooling action in the solid items in the load. The cooling phase of the cycle is thus typically reduced to approximately *5* to 10 minutes. *Not suitable for bottled fluids where the contents are intended for further use.

Post Cycle Drying: At the end of the cycle the chamber walls are heated by externally mounted silicone mat contact heaters whilst a series of vacuum cycles are repeated providing the facility to dry a suitable load.

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