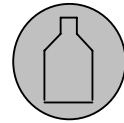


Compact 40 Priorclave with Vacuum



- Easy to install with a single 13 Amp plug
- TACTROL 2 microprocessor – standard
- Quickseal single action door closure
- system
- Forced air cooling and Media warming cycle – standard
- Specification includes a vacuum pump for pre-cycle and vacuum cooling processes, Pulsed Freesteam and 5 program memory
- Conforms to BS2646-1993, PD5500:2000 Cat.3
- European PED 97/23/EC, EMC compliance tested and CE marked for BS EN 61010-2-41 amongst others



Litre x11



Litre x 7

Design

Operation up to 138°C – 2.4. 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.

Vacuum System

The autoclave is fitted with a twin ‘cylinder’ Teflon-protected diaphragm pump with an evacuation capability down to approximately 300mb absolute.

This system is used for a Pre-cycle Vacuum stage in which Multiple vacuum stages are programmed, interspersed with heating stages to achieve steam penetration of the load. The autoclave is fitted with Pulsed Freesteam to maximise the efficiency of the Pre-Cycle vacuum phase.

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

A 5 Program Memory is included with this package as there are fixed parameters, which require setting by a competent engineer during commissioning to enable the vacuum options to function correctly. It can store up to 5 complete programs in memory, to be recalled at the touch of a button.

Safety features

The pressure vessel carries a 10 year warranty and is Insurance approved. The pressure door features: protective heat cover, thermal cooling lock, pressure lock, 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, that prevents boil-dry conditions and a safety blow down valve affords further protection.

Installation requirements

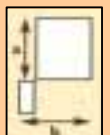
The unit requires a 240V, 50Hz, 13-amp power supply. Should more heater power be required then a single phase, wall mounted isolator is required. The single vent outlet pipe can be directed to a nearby drain. For make safe processing the discharge should be directed to a sealed discharge system; the system should lead by direct connection to a building drain or catchment tank.

For more specific advice about your particular installation requirements please contact our Technical Department.

Product Specifications

Loading Format: Front	Capacity (appx.): 40 litres	Maximum Temp: 136°C	Water Capacity: 3 litres
Pressure Vessel:	Internal dia. 350mm Working depth 420mm Material Grade 316L s/s	Typical cycle time:	1 heater 90 mins 2 heaters 75 mins
External dimensions:	695mmx610mmx650mm (wxdxh)	Typical heat up time:	1 heater 25 mins 2 heaters 7 mins (Ballasted with 1lt. Bottle of liquid, simulated load)
Installation dimensions:	755mmx660mm (wxd) bxa		
Door swing length:	520mm		
Power Supply:	240V, 13Amp, 50Hz or 240V, 30Amp, 50Hz	Weight:	92Kgs.

To allow room for autoclave doors to open and for connection to services, please note the following dimensions:
Front Loaders Plan View



Options and accessories



Priorclaves are available with a full range of control options to suit any application.

- containers loading & mounting systems are available.
- The option of a post-process drying cycle is available to assist with the processing of porous loads

contact our Sales Department.

TACTROL® 2 Control System

Process Timing

Guaranteed

from a probe in the anticipated coolest part of the load.

Automatic Freesteaming

Includes a venting period during heating, greatly improving temperature distribution and helping air removal. Also available – Pulsed Freesteaming – for improved waste load performance.(optional)

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)

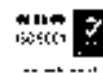
A full record of temperature and time is recorded at key stages of the cycle. Your details can be printed at the start of each printout, together with the autoclave serial and cycle number. Pressure and load temperature printing options are also available.



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