

Top Loading Priorclaves



- 100 and 150 Litre Capacities
- Quickseal Series II single action closure system
- Cooling system and automatic timed freesteaming
- Large diameter chamber giving 20% more loading area than conventional models.
- Low loading heights
- Electrically Heated either 7kW (single phase 30A) or 10.5 kW (three phase 15A)
- Steam generated within the chamber (electrically heated models) Direct steam heated models available
- Insurance approved, stainless steel grade 316L chamber manufactured under an ISO 9000 regime.
- Conforms to BS2646-1993, BS5500 Cat.3, European PED 97/23/EC, EMC Compliance tested and CE marked, amongst others
- Supplied with two (100L) or three (150L) stainless steel mesh baskets.
- Delayed start and media warming capacity

Design

Operation up to 138°C – 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

The pressure vessel is insurance approved.

Safety features include: protective outer safety cover, special safety handnut mechanism, which cracks the gasket seal allowing any residual pressure to safely escape. A thermal cooling lock, preventing the door from being opened until the contents have cooled to a safe temperature is also fitted. 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

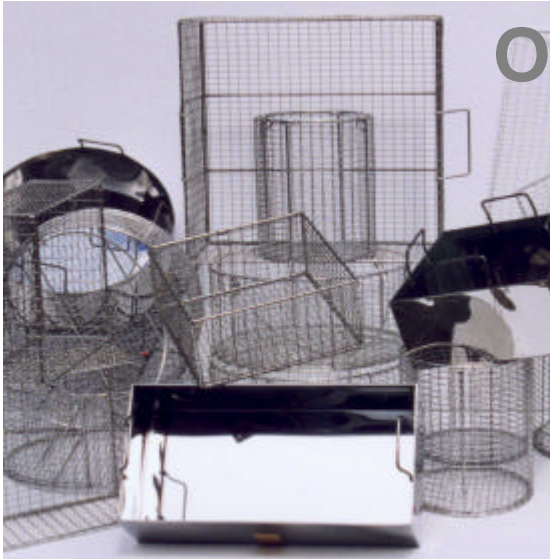
The single vent outlet pipe can be directed to a nearby drain. For make safe processing the discharge should be directed to a sealed discharge system; the system should lead by direct connection to a building drain or catchment tank.

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

Installation Details

*where applicable to model chosen

| Connection | V100 | V150 |
|---|--|---------------------|
| Electrical* | Single phase 240V, 50Hz, 30-amp power supply or, if available a three phase 400V 50Hz 15A supply | |
| Steam* | Dry Steam reduced to 40psi. ½" BSP. | |
| Height from floor | 630mm | 890mm |
| Vent Outlet | 22mm (¾" BSP) | |
| Height from floor | 465mm | 650mm |
| Drain* | 15mm (½" BSP) | |
| Height from floor | 70mm | 70mm |
| Water Inlet* | 15mm (½" BSP) | |
| Height from floor | 615mm | 615mm |
| Space required for full working installation (wxdxh) | 655x940x 1565mm | 1655x940x 1805mm |



Options and accessories

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

- Pre-cycle vacuum stages can be accommodated with vacuum assisted drying and vacuum assisted cooling (patent applied for) with the fitting of a fully automatic remote vacuum pump
- A selection of baskets and stainless steel discard containers are available for individual models.
- To help with heavy loads basket hoists and loading trolleys are available.

For more specific advice about your specific requirements please contact our Sales Department.

TACTROL² Control System

Load Sensed Process Timing Option

Guaranteed sterilisation times from a probe in the anticipated coolest part of the load

Automatic Freesteamming - standard

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

Also available – Pulsed Freesteamming – for improved waste load performance

Multi-Program Memory Option

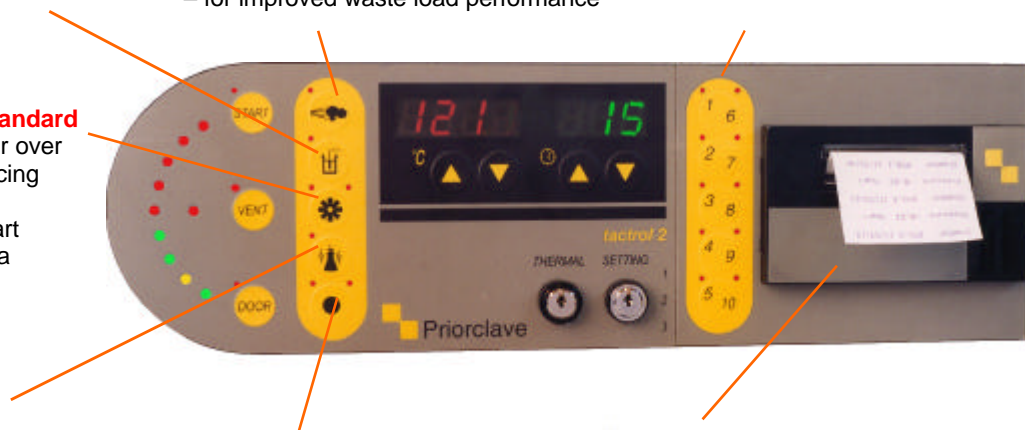
Simply press program number required to restore all your settings. Five and ten program options available

Accelerated Cooling - standard

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 - standard

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



Vacuum Options

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

Process Printer Option

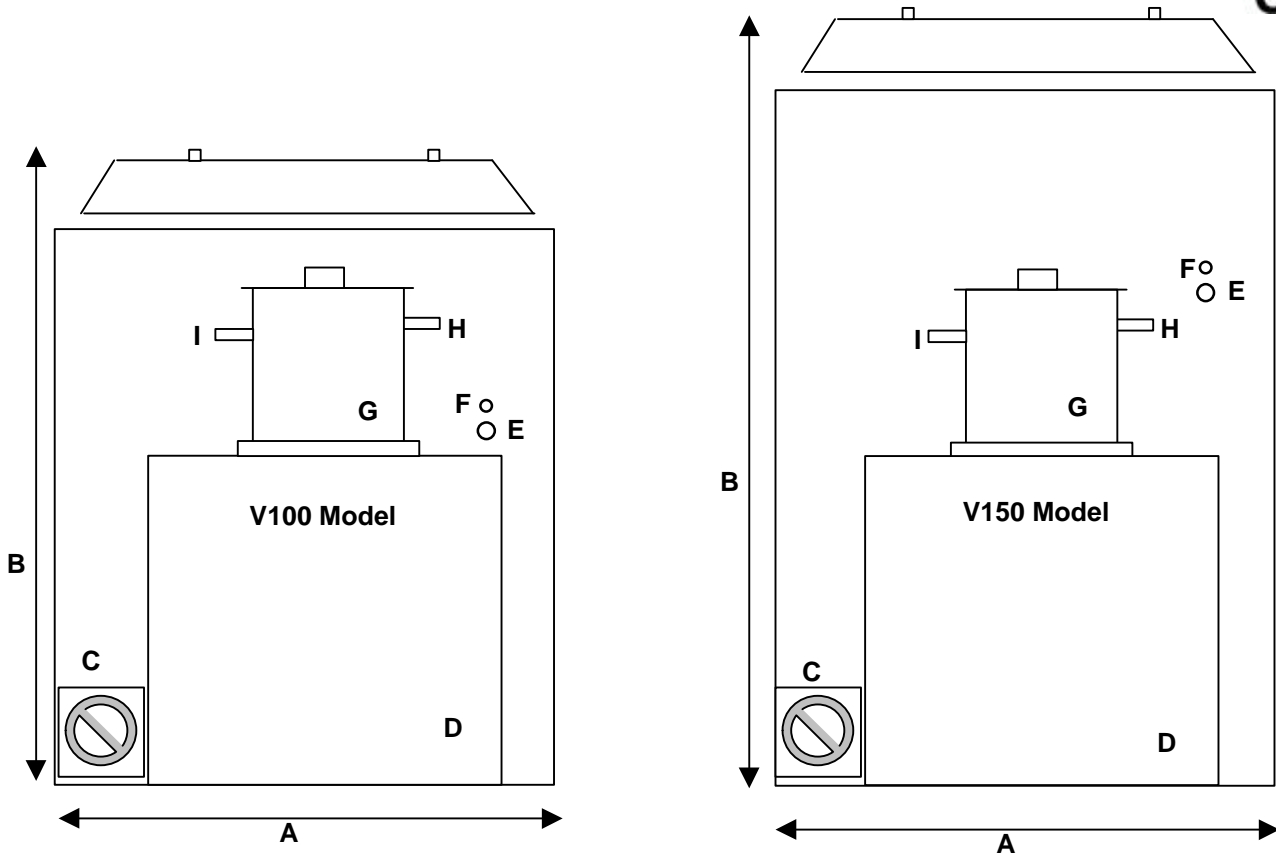
A full record of temperature and time is recorded at key stages of the cycle. Your details can be printed at the start of each printout, together with the autoclave serial and cycle number. Pressure and load temperature printing options are also available

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E. & O.E.

Top Loading Priorclave – Installation Dimensions



| | | V100 | V150 |
|----------|---|--------------------------|--------|
| A | Overall Width | 660mm | 660mm |
| B | Overall Height | 850mm | 1035mm |
| C | Power Isolator (pre-wired cable and plug) | - | - |
| D | Cooling Fan Housing Panel | - | - |
| | | Height from Floor | |
| E | Vent Outlet (22mm ¼" Copper Pipe) | 465mm | 650mm |
| F | Safety Valve Outlet (15mm, ½" Copper Pipe). Do NOT connect to drain. | 505mm | 690mm |
| G | Waterfill Tank (Optional) | - | - |
| H | Waterfill Tank Inlet (15mm, ½" Copper Pipe) | 615mm | 615mm |
| I | Waterfill Tank Overflow (15mm, ½" Copper Pipe) | 595mm | 595mm |