



Priorclave details - model no PS/QVA/EV100.

100L Top Loading Electrically heated – Vacuum Priorclave autoclave. (Includes pre-cycle vacuum, vacuum cooling, Pulsed Freesteaming and 5 program memory and 2 half depth stainless steel mesh baskets)

Priorclave Top Loading autoclaves have a compact design for modern laboratories where space is at a premium. Available in 100 and 150L capacities heated either electrically or by direct steam, they feature especially low loading heights for the capacity available. They are supplied complete with a stainless steel Load Support Plate and with two (100L) or three (150L) stainless steel mesh baskets. Stainless steel waste containers are also available to suit these models.



Top and Front-Loading Priorclaves.

The ideal solution to the autoclaving needs of most laboratories these autoclaves are ideally suited for use in a wide range of sterilising applications such as: media preparation, liquids and diluent, waste, glassware, instruments, apparatus and health care.

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

Features include:

- Top and Front Loading models with capacities from 100 to 200 litres
- Operation up to 140C - 2.5 Bar
- Large diameter chamber giving 20% more loading area than conventional models.
- Quickseal 2 single action door closure system
- Steam generated within the chamber (electrically heated models) - Direct steam heated models available
- Complete with thermocouple entry and test ports
- Forced air cooling as standard helping to reduce cycle times
- Automatic timed freesteaming as standard for improved air removal and sterilising performance
- Delayed start and media warming function as standard for ready to pour media at the start of the day
- A large selection of options and accessories is available to help to get the most from your Priorclave

All models are fitted with the **TACTROL** microprocessor control system. After setting your required operating parameters press the start button for a fully automatic cycle. The control panel shows cycle status with digital readouts of temperature and time that can be viewed simultaneously. Temperature and time settings are fully adjustable within the operating range of the autoclave. Double door (pass-through) versions are also available.

Safety

Pressure vessels are fully CE marked and insurance approved to the European PED 97/23/EC. The autoclaves fully conform to BS2646-1993, BS5500 Cat.3. and EMC directives, amongst others. The autoclave door is fully interlocked for safety with a special safety gate 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 along with a pressure interlock.

A safety blow down valve and a low water level sensor to guard against boil-dry conditions (electrically heated models) afford further protection.

Epoxy coated panels and frame members are treated with the unique **BioCote**[®] anti-bacterial agent, which is effective against all bacteria and fungi including MRSA.

Installation Requirements

Electrical - Single phase 240V, 50Hz, 30-amp power supply (7kW) or, if available a three phase 400V 50Hz 15A supply (10.5 kW). All models are suitable for wiring in either mode

Steam (Direct steam heated models only) - Dry Steam reduced to 40psi. ½ in BSP.

Drainage - The single ¾ in 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 or download our data sheet outlining the installation requirements for Priorclaves or any other type of Laboratory autoclave at: <http://www.priorclave.co.uk/downloads/installation.PDF>

Top and Front-Loading Priorclave autoclaves have a 12 months parts and labour warranty (parts only outside the UK) and a 10 year or 10,000 cycle pressure vessel warranty.

Technical Specifications.

Max. Capacity: 100L

Internal Diameter: 500mm

Load height: 725mm

Dimensions (mm)	Width	Depth	Height	Packed Dimensions (mm)	Width	Depth	Height
Internal	-	500	-	UK Delivery	970	850	1000
External	960	800	850	Delivery by Sea	-	-	-
Installed	960	850	940	Delivery by Air	-	-	-

Weights (Kg)	
Gross	160
Packed (Sea)	-
Packed (Air)	-

NB: Weights and dimensions shown are for the Autoclave only, unloaded and without water (if applicable). These figures do not include any options and accessories listed below which may alter external dimensions and weights. For full details please contact Priorclave or your local agent.
