

# Front Loading Autoclaves

The QCS range of autoclaves is one of the most versatile and cost efficient steam sterilisers available today. Choose from one of the three standard chamber sizes of 100, 150 and 200 litres, and since they offer 20% more loading capacity than other sterilisers of the same capacity the QCS has the flexibility to accommodate both small and taller than usual items, avoiding the need to invest in larger, heavier and more costly rectangular sterilisers.

From simple cycles to fully featured multi-programme operation with printed records, a powerful TACTROL<sup>®</sup>2 controller allows unrivalled flexibility and monitoring. For a busy working environment, automating the sterilising process and with features to assist in autoclave management, TACTROL<sup>®</sup>2 enables other tasks to be undertaken secure in the knowledge that sterilisation is proceeding safely and efficiently.

Introducing any Priorclave QCS model to any laboratory will enable it to improve throughput brought about by the increased loading capacity and performance, as well as benefiting from lower overall running costs.

## Key Features

- Quickseal single-action door fitted with thermal and pressure locks to prevent opening at load temperature above 80°C and pressures above 0.2 bar.
- Tactrol 2 microprocessor control with simple and fully variable setting of process time, temperature with graphic indication of cycle status.
- Automatic timed free-steaming.
- Pre-cycle vacuum in which multiple Vacuum stages are programmed with interspersed heating to achieve steam penetration.<sup>1</sup>
- Pulsed freesteaming to maximise efficiency of Pre-cycle vacuum phase.<sup>1</sup>
- Vacuum Assisted Cooling.<sup>1</sup>
- Low water level sensor.
- Post Cycle Drying for faster load drying.<sup>1</sup>
- Two full width stainless steel load shelves.
- Epoxy coated panels and frame members are treated with an anti-bacterial agent which is effective against all bacteria and fungi including MRSA.
- Pressure vessel carries a 10 year warranty and is insurance approved.
- Service and support direct from manufacturer (or appointed distributor).

<sup>1</sup> Optional



The QCS range currently comprises three standard models

100 litre capacity  
150 litre capacity  
200 litre capacity

model: PS/QCS/EH100

autoclave capacity	100 litres
chamber size	500mm dia x 535mm
chamber material	polished 316 stainless steel
loading format	front
loading height	860mm
operating range	up to 140°C, 2.4 bar
heater power	7kW at 30A; 7kW* at 15A
weight	190kg

model: PS/QCS/EH150

autoclave capacity	150 litres
chamber size	500mm dia x 740mm
chamber material	polished 316 stainless steel
loading format	front
loading height	860mm
operating range	up to 140°C, 2.4 bar
heater power	7kW at 30A; 10.5kW* at 15A
weight	208kg

model: PS/QCS/EH200

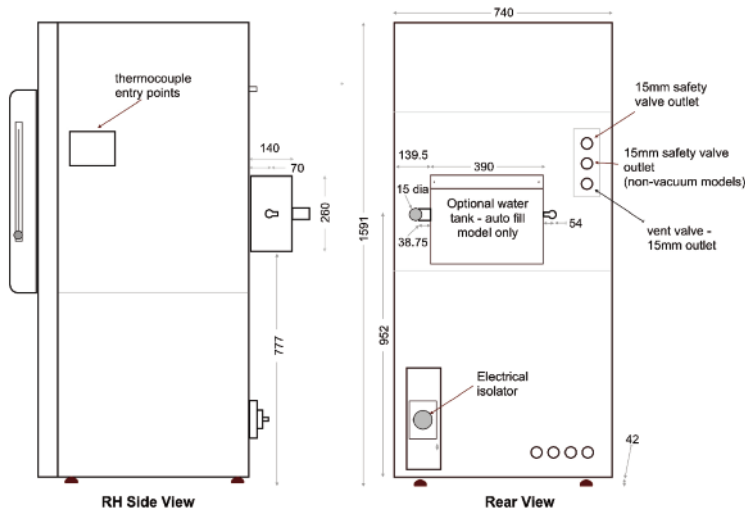
autoclave capacity	200 litres
chamber size	500mm dia x 1025mm
chamber material	polished 316 stainless steel
loading format	front
loading height	860mm
operating range	up to 140°C, 2.4 bar
heater power	7kW at 30A; 10.5kW* at 15A
weight	236kg

\* three phase supply, recommended for EH200

Priorclave Limited  
129-131 Nathan Way, West Thamesmead Business Park  
London, SE28 0AB  
T: +44 (0)20 8316 6620 F: +44 (0) 20 8855 0616  
E: sales@priorclave.co.uk

[www.priorclave.co.uk](http://www.priorclave.co.uk)

## Installation Specification



all dimensions in mm

\* installation dimensions include space for doors to open fully and for pipes, etc. at the rear of the autoclave.

Consideration should be given to allow access for routine servicing.



model: PS/QCS/EH100

external dimensions (w x d x h)	740 x 905 x 1535mm
minimum installation = a x b x c	965 x 935 x 625mm
heater power	7kW at 30A; 7kW* at 15A
weight	190 kg

model PS/QCS/EH150

external dimensions (w x d x h)	740 x 1135 x 1535mm
minimum installation = a x b x c	1325 x 935 x 625mm
heater power	7kW at 30A; 10.5kW* at 15A
weight	208kg

model PS/QCS/EH200

external dimensions (w x d x h)	740 x 1385 x 1535mm
minimum installation = a x b x c	1565 x 935 x 625mm
heater power	7kW at 30A; 10.5kW* at 15A
weight	236kg

\* three phase supply, recommended for EH200

All QCS autoclaves comply and conform to relevant international standards including BS2464-1993, PD5500:2000 Cat.3 European PED 97/23/EC, EMC compliance tested and CE marked for BS EN 61010-2-41.

## Support and Service

Our highly trained service technicians provide dedicated pre- and after-sales support including planned maintenance programmes to ensure you get the most from your Priorclave.



Our service doesn't stop there though, as we offer calibration and performance qualification services to ensure that your autoclave and laboratory meet all the required standards. We are happy to service and calibrate other makes of autoclave and other laboratory equipment, offering a complete package to the laboratory.

Our ISO9000 certification and UKAS approval as a calibration laboratory gives you the assurance that work will be carried out in a safe and effective manner with full traceability to national standards of any calibration work undertaken. Often this is an integral part of a Planned Maintenance programme but one-off calibrations can be easily arranged.

The information in this datasheet is compiled in good faith. Our policy is one of continual development, we therefore reserve the right to alter the specification without prior notice. E & OE March 2014

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## World-Wide Availability

Priorclave, a UK manufacturer of premier laboratory autoclaves, has a global presence in today's market through a network of thoroughly vetted and approved distributors, enabling the company to support laboratories world-wide.