

TOP LOADING AUTOCLAVES

The Priorclave QCS range of top loading autoclaves, available with 100 and 150 litre chamber capacities, has amongst its many design features simple easy loading of the media. These versatile autoclaves offer fast, reliable sterilisation and have a chamber size that will appeal to most laboratories, it is versatile enough to sterilise small and tall objects side-by-side in a single process.

The standard QCS models have a compact footprint which makes this range of top loading autoclaves ideal for locations where space is at a premium and high yield is required.

Depending on application, Priorclaves are available with a choice of heating options - electric or direct steam heating.

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.
- Forced Air Cooling.
- Pre-cycle vacuum in which multiple Vacuum stages are programmed with interspersed heating to achieve steam penetration.¹
- Vacuum assisted drying.¹
- Pulsed freesteaming to maximise efficiency of Pre-cycle vacuum phase.^{1,2}
- Epoxy coated panels and frame members are treated with an anti-bacterial agent which is effective against all bacteria and fungi including MRSA.
- Media Warming and Delayed Start functions keep autoclaved media at a usable temperature ready for immediate use.
- Vacuum Assisted Cooling.¹
- Supplied with two (100L) or three (150L) stainless baskets.
- Pressure vessel carries a 10 year warranty and is insurance approved.
- Service and support direct from manufacturer (or appointed distributor).

¹ Vacuum models only - PS/QVA/EV100 and EV150

² Optional extra on Standard models - PS/QCS/EV100 and EV150

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QCS model - standard



QVA model - vacuum

model: PS/QCS/EV100

autoclave capacity	100 litres
chamber size	500mm dia x 500mm
chamber material	polished 316 stainless steel
loading height	755mm
operating range	up to 140°C, 2.4 bar
weight	147kg

model: PS/QCS/EV150

autoclave capacity	150 litres
chamber size	500mm dia x 720mm
chamber material	polished 316 stainless steel
loading height	935mm
operating range	up to 140°C, 2.4 bar
weight	165kg

model: PS/QVA/EV100

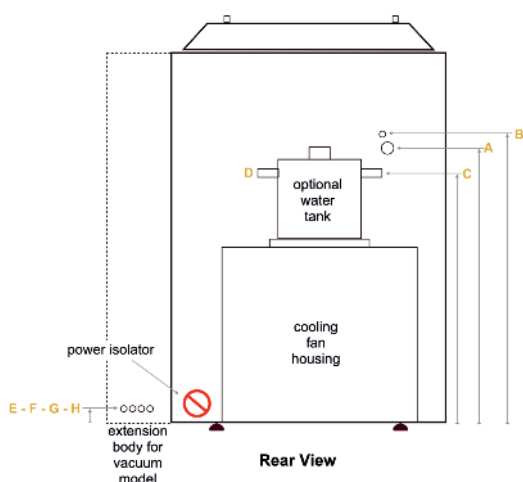
autoclave capacity	100 litres
chamber size	500mm dia x 500mm
chamber material	polished 316 stainless steel
loading height	755mm
operating range	up to 140°C, 2.4 bar
weight	157kg

model: PS/QVA/EV150

autoclave capacity	150 litres
chamber size	500mm dia x 720mm
chamber material	polished 316 stainless steel
loading height	935mm
operating range	up to 140°C, 2.4 bar
weight	175kg

For Direct Steam Heated models substitute SV for EV.
Integral Steam Generator models also an option.

Installation Specification



model: PS/QCS/**EV100**

external dimensions (w x d x h)	660 x 840 x 840mm
minimum installation (a x b)* - see diagram	980 x 1400mm
heater power	7kW - 30A single-phase 10.5kW - 15A three-phase
weight	147kg

model PS/QCS/**EV150**

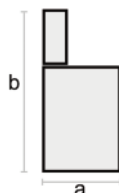
external dimensions (w x d x h)	660 x 840 x 1020mm
minimum installation (a x b)* - see diagram	980 x 1640mm
heater power	7kW - 30A single-phase 10.5kW - 15A three-phase
weight	165kg

		V100	V150
		height from floor	
A	vent outlet - 22mm copper	465 mm	650mm
B	safety valve outlet - 15mm copper	505mm	690mm
C	waterfill tank inlet - 15mm copper	615mm	615mm
D	waterfill tank overflow - 15mm copper	595mm	595mm
E	vacuum pump ¹ - 15mm copper	127mm	127mm
F	drain outlet ¹ - 15mm copper	127mm	127mm
G	overflow outlet ¹ 15mm copper	127mm	127mm
H	waterfill inlet ¹	127mm	127mm

¹ alternate position on vacuum PS/QVA models only

* 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.



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.

We also offer calibration and performance qualification services to ensure that your autoclave and laboratory meet all the required standards. 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.

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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model PS/QVA/**EV100**

external dimensions (w x d x h)	960 x 840 x 840mm
minimum installation (a x b)* - see diagram	980 x 1400mm
heater power	10.5kW - 15A three-phase
weight	157kg

model PS/QVA/**EV150**

external dimensions (w x d x h)	960 x 840 x 1020mm
minimum installation (a x b)* - see diagram	980 x 1640mm
heater power	10.5kW - 15A three-phase
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All QCS and QVA 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.

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.