

Compact Top Loading Autoclaves

The C85 is an 85 litre capacity autoclave which provides an increased chamber depth of 890mm, making it the ideal steam steriliser for handling those taller than usual items. And with one of the smallest footprints it opens the door for laboratories with restricted floor space to acquire a first-class, featured packed compact top loading autoclave.

With just one basket it becomes the perfect choice for sterilising items such as fermentors and large capacity Erlenmeyer flasks. Typically it can accommodate easily ten one-litre or sixteen 500ml bottles, alternatively six one-litre Erlenmeyer flasks.

The C85 also offers increased variation in loading with a capacity to hold simultaneously a number of baskets enabling more smaller items to be sterilised in a single process.



Key Features

- Quickseal single-action door fitted with thermal and pressure locks to prevent opening at load temperature above 80°C and pressures above 0.2bar.
- Tactrol®2 microprocessor control with simple and fully variable setting of process time, temperature with graphic indication of cycle station.
- 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 (optional on PS/MID/C85)
- Pulsed freesteaming to maximise efficiency of Pre-cycle vacuum phase.¹
- Media Warming and Delayed Start functions keep autoclaved media at a usable temperature ready for immediate use.
- Vacuum Assisted Cooling.¹
- Low water level sensor.
- Three loading baskets.
- 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).

¹ Vacuum models only PS/MVA/C85

model PS/MID/C85

autoclave capacity	85 litres
chamber size	350mm dia x 890mm
chamber material	polished 316 stainless steel
loading format	top
loading height	1025mm
operating range	up to 140°C, 2.4 bar
heater power	2.9kW - 13A single phase
water supply	manual or plumbed
water tank capacity	3 litres
weight	145kg

model PS/MVA/C85

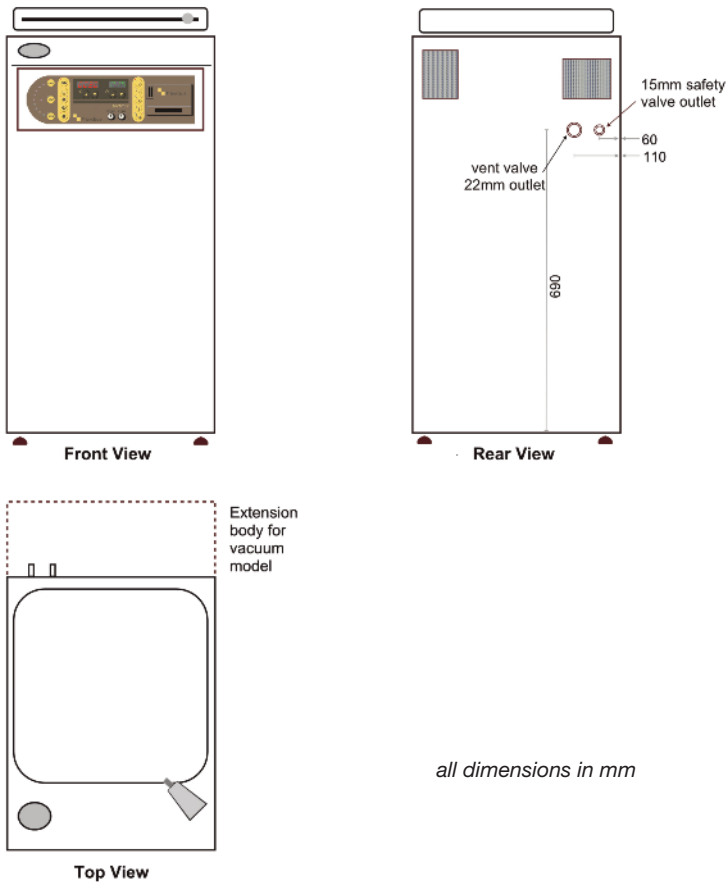
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Priorclave Limited
129-131 Nathan Way, West Thamesmead Business Park
London, SE28 0AB
T: +44 (0)20 8316 6620 F: +44 (0) 20 8855 0616
E: sales@priorclave.co.uk

www.priorclave.co.uk

Complies and conforms 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.

Installation Specification



all dimensions in mm

model PS/MID/C85

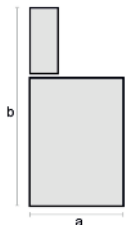
external dimensions (w x d x h)	500 x 670 x 1085mm
installation dimensions (a x b)* - see diagram	870 x 1600mm
heater power	3kW - 13A single phase
weight	145kg

model PS/MVA/C85

external dimensions (w x d x h)	500 x 670 x 1085mm
installation dimensions (a x b)* - see diagram	870 x 1600mm
heater power	2.9kW - 13A single phase
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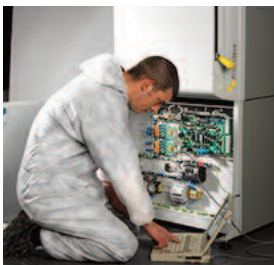
* installation dimensions include space for doors to open fully and for pipes, etc. at the rear of the autoclave.

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.



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 June 2016

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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.