

Mid Capacity PowerDoor autoclaves

The POWERDOOR range of autoclaves satisfies a demand for autoclaves with a large rectangular sterilising chamber suited to handling bulky items but where the laboratory does not have sufficient space to allow for the conventional hinged door opening. With the Priorclave PowerDoor range the chamber door lowers within the body of the actual machine, thereby enabling laboratories to acquire an autoclave suited for high throughput sterilising procedures or able to handle extra bulky items despite restricted room size.

The Mid-Capacity range is produced in two chamber sizes of 230 and 350 litres and can be supplied as standard format or with a fascia panel. Push-Buttons control the hands free opening and closing of the vertically sliding pressure door.

An advantage of the PowerDoor autoclaves is a fixed gasket onto which the door closes. When raised in line with the chamber opening, the door automatically moves forward directly onto the seal to create an air-tight lock. This action prevents undue wear on the fixed seal, extending service intervals and improving operational performance of these autoclaves.

Key Features

- Special STAYPUT locking geometry keeps the pressure door fully locked even in event of drive failure. The pushbutton controls manage the functionality of 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.
- Water cooling jackets.¹
- Pre-cycle vacuum in which multiple Vacuum stages are programmed with interspersed heating to achieve steam penetration. Incorporates Vacuum Assisted Cooling¹
- Pulsed freesteaming to maximise efficiency of Pre-cycle vacuum phase.¹
- Post Cycle Drying.¹
- 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 *Optional*

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model: PS/RSV/EH230

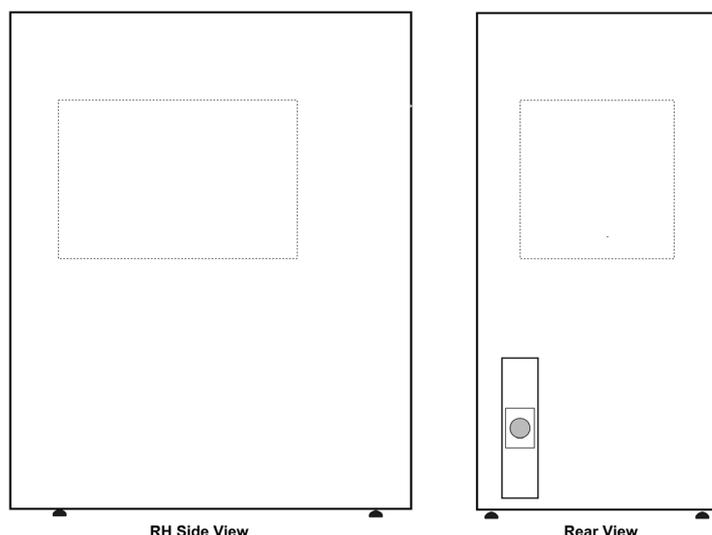
autoclave capacity	230 litres
chamber size	580 x 600 x 600mm
chamber material	burnished 316 stainless steel
loading format	front
loading height	950mm
operating range	up to 140°C, 2.4 bar
heater power	21kW 30A three-phase
weight	960kg

model: PS/RSV/EH350

autoclave capacity	350 litres
chamber size	580 x 900 x 600mm
chamber material	burnished 316 stainless steel
loading format	front
loading height	950mm
operating range	up to 140°C, 2.4 bar
heater power	21kW 30A three-phase
weight	1060kg

For Direct Steam Heated models substitute SH for EH.
 Internal Steam Generator versions available.

Installation Specification



model: PS/RSV/EH230

external dimensions (w x d x h)	905 x 1510 x 1880mm
minimum installation = a x b	2000 x 905mm
heater power	21kW 30A three-phase
weight	960kg

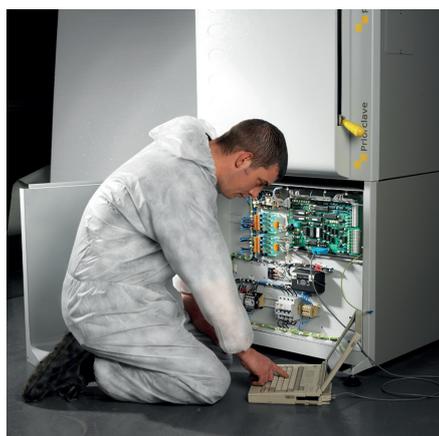
model: PS/RSV/EH350

external dimensions (w x d x h)	905 x 1510 x 1880mm
minimum installation = a x b	2000 x 905mm
heater power	21kW 30A three-phase
weight	1060kg

Steam heated models have an extra 45mm working height.

All Priorclaves comply and conform to relevant international standards including BS2464-1993, PC500:2012+A1 Cat.3 European PED 97/23/EC B1+D, 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.