

# High Capacity PowerDoor Autoclaves

Where laboratory space is at a premium and there is a need to sterilise tall, extra bulk items the RSV range of POWERDOOR autoclaves may prove the perfect answer since the door moves vertically within the autoclave frame, eliminating need to allow space for conventional door swing.

The RSV higher capacity autoclaves are available in two chamber sizes of 450 and 700 litres and can be supplied in standard format or with a fascia panel. Although easy access to chamber is gained using Push-Button controls, inherent safety features prevent door opening during sterilising cycles and at high temperatures and pressures.

An advantage of Priorclave PowerDoor autoclaves is the 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 push-button 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<sup>®</sup> 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.<sup>1</sup>
- Pre-cycle vacuum in which multiple Vacuum stages are programmed with interspersed heating to achieve steam penetration. Incorporates Vacuum Assisted Cooling.<sup>1</sup>
- Pulsed freesteaming to maximise efficiency of Pre-cycle vacuum phase.<sup>1</sup>
- Post Cycle Drying.<sup>1</sup>
- 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*

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### model: PS/RSV/EH450

autoclave capacity	450 litres
chamber size	675 x 900 x 755mm
chamber material	burnished 316 stainless steel
loading format	front
loading height	1080mm
operating range	up to 140°C, 2.4 bar
heater power	32.5kW 45A three-phase
weight	1180kg

### model: PS/RSV/EH700

autoclave capacity	700 litres
chamber size	675 x 1360 x 755mm
chamber material	burnished 316 stainless steel
loading format	front
loading height	1080mm
operating range	up to 140°C, 2.4 bar
heater power	42kW 60A three-phase
weight	1360kg

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

## Installation Specification

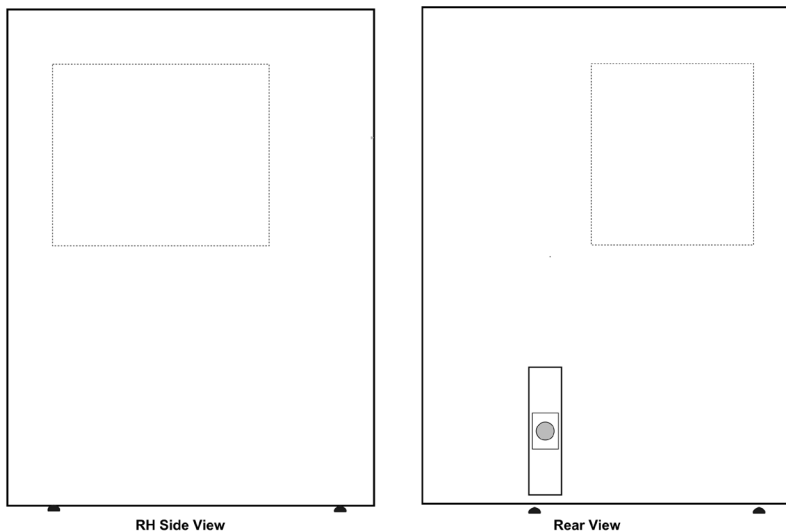
model: PS/RSV/EH450

external dimensions (w x d x h)	1540 x 1525 x 2065mm
minimum installation = a x b	2050 x 1540mm
heater power	32.5kW 45A three-phase
weight	1180kg

model: PS/RSV/EH700

external dimensions (w x d x h)	1540 x 1975 x 2065mm
minimum installation = a x b	2500 x 1540mm
heater power	42kW 60A three-phase
weight	1360kg

*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.*