

Higher Capacity Front Loading Autoclaves

The extra-large chamber capacity of the RSC 450 and 700 litre Priorclaves is a must for any laboratory undertaking high-volume throughput sterilising procedures or are frequently tasked with handling tall and bulky items. Despite their large rectangular chamber and high loading capacity the autoclaves require only a relatively small floor area are fitted with castors for easier positioning.

To suit a diverse range of applications within food and drink, dairy, pharmaceutical, agriculture, education, healthcare and research laboratories Priorclave is able to supply these extra-high capacity autoclaves with different heating systems - electrical or direct steam heated or they can be fitted with an in-built steam generator.

Buying into the Priorclave brand means first-class support at all times to ensure you maximise the efficiency of your sterilising procedures at all times.

Key Features

- Lower handwheel on 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.
- 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
- Low water level sensor.
- Post Cycle Drying.¹
- Two full width non-tipping 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).

¹ Optional

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model: PS/RSC/EH450

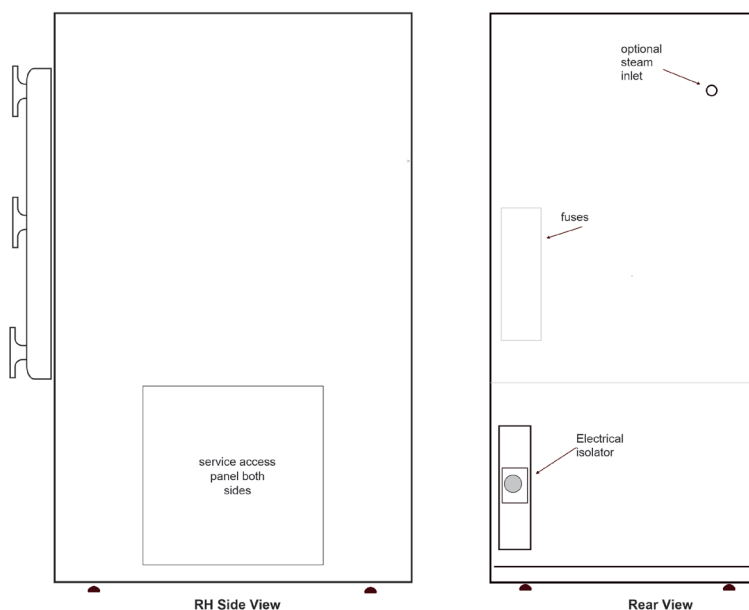
autoclave capacity	450 litres
chamber size	675 x 900 x 755
chamber material	burnished 316 stainless steel
loading format	front loading
loading height	800 mm
operating range	up to 140°C, 2.4 bar
heater power	32.5kW 45A three-phase
weight	770 kg

model: PS/RSC/EH700

autoclave capacity	700 litres
chamber size	675 x 1360 x 755
chamber material	burnished 316 stainless steel
loading format	front loading
loading height	800 mm
operating range	up to 140°C, 2.4 bar
heater power	42kW 60A three-phase
weight	950 kg

For direct Steam Heated models substitute EH with SH.
 Internal Steam Generator versions available.

Installation Specification



* 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/RSC/EH450

external dimensions (w x d x h)	855 x 1325 x 1785mm
minimum installation = a x b x c	1525 x 1055 x 760mm
heater power	32.5kW 45A three-phase
weight	770kg

model: PS/RSC/EH700

external dimensions (w x d x h)	855 x 1780 x 1785mm
minimum installation = a x b x c	1990 x 1055 x 760mm
heater power	42kW 60A three-phase
weight	950kg

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.