

## Priorclave RCS Autoclaves Can Improve Lab Efficiency

The [RSC 350 laboratory autoclave](#) from specialist autoclave manufacturer [Priorclave](#) is proving to be the ideal choice for those laboratories in the food and drink, dairy, pharmaceutical, agriculture, education, healthcare and research sectors looking to achieve high-throughput sterilising procedures or have a requirement to process large bulky items.

The popularity of this [front-loading autoclave](#) is driven by a design that offers a large sterilising chamber yet requires a relatively small footprint and is by far one of the easiest to install since it is castor mounted for easy positioning and pass through a standard door.

With a 350 litre capacity chamber the RCS 350 laboratory autoclave is the perfect choice where tall, small and bulky items need to be sterilised since the rectangular chamber will accommodate many differing media types and sizes side-by-side in a single process. This can often improve the daily throughput of a busy laboratory.

All steam sterilising process parameters are easily programmed through the advanced Tactrol<sup>®</sup> 2 microprocessor control system, allowing for adjustment of temperature and time for simple cycles to fully featured multi-programme operation. This powerful controller allows unrivalled flexibility, monitoring and management of the process cycle, it guides operators through simple set-up procedures ensuring laboratories optimise the autoclave performance in relation to the media being processed and thus helping to reduce running costs.

Priorclave is a technical innovator in autoclave design and this is reflected in the RCS 350 autoclave with features such as lower loading heights, simpler set-up procedures and safer door opening mechanisms. The chamber door on the RCS 350 has a patented two hand-wheel door closure system, the lower hand-wheel on the chamber door is fitted with thermal and pressure locks to prevent opening at load temperatures above 80°C and pressures above 0.2 bar, thus averting potential accidents through discharge of hot, high-pressurised steam.

The RCS 350 can be supplied by Priorclave with a choice of steam generation – electrical or direct steam heated; alternatively they can be fitted with an in-house steam generator ideal where continuous sterilising applications take place.

As standard, the RCS 350 front loading laboratory autoclave is fitted with an automatic water-fill however as a dedicated autoclave manufacturer Priorclave is able to incorporate a number of options into the standard steriliser framework of these high capacity sterilisers such as water cooling jackets, pre-cycle vacuum in which multiple vacuum stages are programmed with interspersed heating to achieve greater steam penetration of difficult media as well as post cycle drying.

The RCS 350 autoclave also benefits from Biomaster protection, a tough special epoxy finish proven to reduce bacterial growth by up to 99.99% and is highly effective against MRSA, E coli, Listeria, Legionella, Campylobacter, Salmonella, Pseudomonas and over 50 other species.

Purchase of a RCS 350 autoclave means buying into British designed and manufactured laboratory autoclaves that have a global presence and are supported by one of the very best pre-and aftersales





support service, a dedicated team ensures customers maximise the efficiency of their Priorclave wherever it is installed.

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