

Large Chamber Lab Autoclaves for Bulky Items

The Priorclave RSC range of autoclaves with their taller, large rectangular steam sterilising chambers has become a popular choice for laboratories undertaking high-volume throughput or are frequently tasked with handling taller and bulkier items. And despite the large practical chamber size these autoclaves require only a relatively small floor area.

To suit a diverse range of applications within food and drink, dairy, pharmaceutical, agriculture, education, healthcare and research laboratories, Priorclave is able to supply RSC autoclaves 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.

Five standard chamber sizes are available – 230, 285, 350, 450 and 700 litres, each model fitted with one of the most advanced microprocessor control systems to guide operators through simple set-up procedures. This ensures laboratories optimise the autoclave performance in relation to the media being processed helping to reduce running costs.

All RSC autoclaves are equipped with a patented large hand-wheel door closure system for easy safe opening/closing of the rigid robust hinged door. An inherent feature is the fitting of a thermal and pressure lock system to the lower hand-wheel, this prevents door opening at load temperature above 80°C and pressures above 0.2 bar thus averting potential accidents through discharge of hot, high-pressurised steam.

As standard the autoclaves are 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.

Buying into the Priorclave global brand means acquiring a highly specified steriliser with robust-build and superior anti-microbial exterior finish to body panels and frames. By adding Biomaster Protection into the exterior epoxy coating, a highly effective and permanent treatment for control of harmful bacteria has been achieved, making any surface cleaner, more hygienic and providing durable lifelong protection against the threat of cross contamination. This tough special epoxy finish is 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.

RSC autoclaves are part of Priorclave's standard product range which numbers in excess of 40 models offering chamber capacities from 40 to 700 litres, from small capacity bench-top sterilisers to larger floor-standing designs including pass-through and power-door models.

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