



## 450L AUTOCLAVE RECTANGULAR

EH450-SMART  
SH450-SMART



## 700L AUTOCLAVE RECTANGULAR

EH700-SMART  
SH700-SMART

Priorclave's Smart rectangular autoclaves are intended for industrial, research, and production labs and facilities with greater or more diverse needs. They can adeptly handle standard tasks (e.g., media prep, waste loads, labware) but can also produce drier loads and more reliably handle complex loads that tend to trap air. Ideal for mixed waste loads, biological waste or pathogen-heavy materials, cloth and textile sterilisation, soil and substrate preparation, wrapped instruments, and porous loads. These sterilisers feature fully customisable cycles (with expanded memory), pre-cycle and post-cycle vacuum, integrated cooling and freesteaming, and air intake filtration.

## SPEAK WITH AN AUTOCLAVE EXPERT



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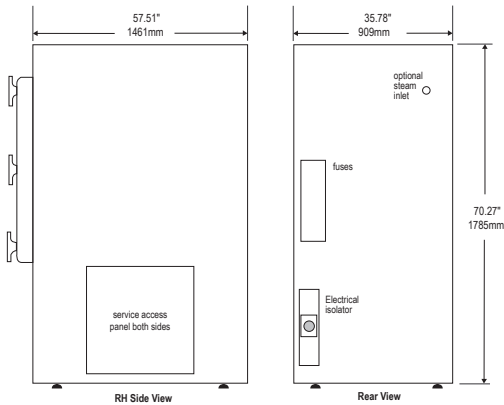
Our highly trained service technicians provide dedicated pre- and after-sales support including planned maintenance programmes to ensure you get the most from your Priorclave.

## 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® 3 microprocessor control with simple and fully variable setting of process time, temperature with graphic indication of cycle status.
- Automatic timed free-steaming.
- Pre-cycle vacuum in which multiple Vacuum stages are programmed with interspersed heating to achieve steam penetration. Incorporates Vacuum Assisted Cooling.
- Pulsed freesteaming to maximise efficiency of Pre-cycle vacuum phase.
- Low water level sensor.
- Post Cycle Drying.
- 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).

# 450L AUTOCLAVE RECTANGULAR

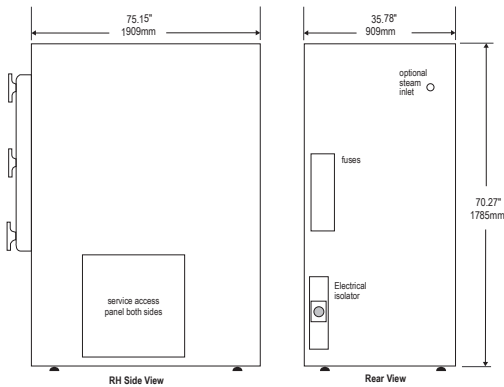
EH450-SMART, SH450-SMART



Heat Input	Chamber Volume	Operating Range	Loading Format	Loading Height	Heating Power
Electrical or Direct Steam Source	450 litres	Up to 138 °C, 2.4 Bar (280 °F 34 psi)	Front Loading	800mm (33.9")	32.5kW 45A three-phase
Chamber Dimensions w x d x h		Bottom Shelf Dimensions w x d		Top Shelf Dimensions w x d	
675 x 900 x 755mm (26.57" x 35.43" x 29.72")		660 x 830 mm (25.98" x 32.67")		660 x 830mm (25.98" x 32.67")	
Outside Dimensions w x d x h	Weight (unloaded)	Minimum Installation	Door Swing		
909 x 1461 x 1785mm (35.78" x 57.51" x 70.27")	770 kg (1697.57 lbs)	Please allow 500mm (19.69") either side and 300mm (11.81") at the back of the Autoclave.	855mm (33.66")		

# 700L AUTOCLAVE RECTANGULAR

EH700-SMART, SH700-SMART



Heat Input	Chamber Volume	Operating Range	Loading Format	Loading Height	Heating Power
Electrical or Direct Steam Source	700 litres	Up to 138 °C, 2.4 Bar (280 °F 34 psi)	Front Loading	800mm (33.9")	42kW 60A three-phase
Chamber Dimensions w x d x h		Bottom Shelf Dimensions w x d		Top Shelf Dimensions w x d	
675 x 1360 x 755mm (26.57" x 53.54" x 29.72")		660 x 1223mm (25.98" x 48.14")		660 x 1223mm (25.98" x 48.14")	
Outside Dimensions w x d x h	Weight (unloaded)	Minimum Installation	Door Swing		
909 x 1909 x 1785mm (35.78" x 75.15" x 70.27")	950 kg (2094.39 lbs)	Please allow 500mm (19.69") either side and 300mm (11.81") at the back of the Autoclave.	855mm (33.66")		

## CONFORMITY & COMPLIANCE

UK Standard ISO 9001 / CE Marked / BS2646

US Standard ASME

EU Standard CE / ISO 9001 / PED 97/23/EC

INT Standard EMC Compliance

Sustainability

Service Priorclave Trained Standard