Priorclave

SMART

230L AUTOCLAVE
POWER DOOR
EH230PD-SMART
SH230PD-SMART

285L AUTOCLAVE
POWER DOOR
EH285PD-SMART
SH285PD-SMART

350L AUTOCLAVE
POWER DOOR
EH350PD-SMART
SH350PD-SMART

Priorclave's Smart 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. Power door models come fitted with a zero-clearance no-swing power doors for more efficient use of limited lab space. 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

+44 (0)20 8316 6620 • **priorclave.co.uk** • **sales@priorclave.co.uk**
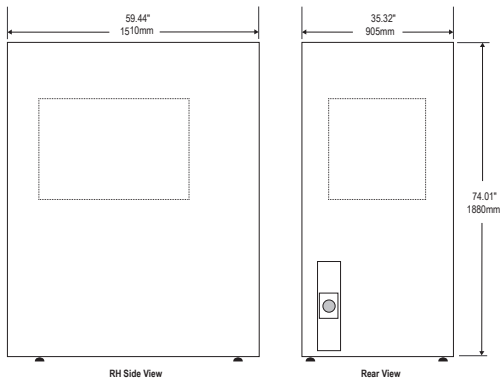
Our highly trained service technicians provide dedicated pre- and after-sales support including planned maintenance programmes to ensure you get the most from your Priorclave.

KEY FEATURES

• Special STAYPUT locking geometry keeps the pressure door fully locked even in event of drive failure. The pushbutton 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® 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.

• Post Cycle Drying.

• 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).
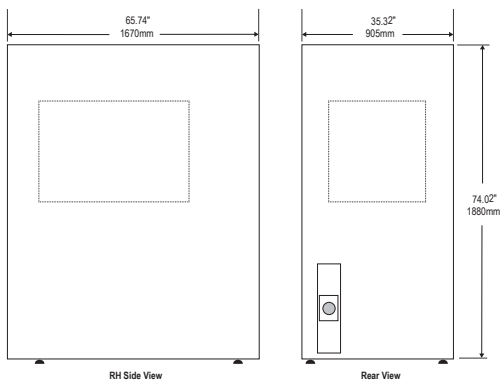
Complies and conforms to relevant international standards including CE & UKCA marking for European PED 2014/68/EU, PD5500:2000 Cat.3 & BS2646-2021. EMC compliance tested and CE/UKCA marked for BS EN 61000 & BS EN 61326.

230L AUTOCLAVE
POWER DOOR

EH230PD-SMART, SH230PD-SMART

RH Side View — 59.44" 1510mm

Rear View — 35.32" 905mm, 74.01" 1880mm

Heat Input	Chamber Volume	Operating Range	Loading Format	Loading Height	Heating Power
Electrical or Direct Steam Source	230 litres	Up to 138˚C, 2.4 Bar (280˚F 34 psi)	Front Loading	950mm (37.40")	21kW 30A three-phase

Chamber Dimensions w x d x h	Bottom Shelf Dimensions w x d	Top Shelf Dimensions w x d
580 x 600 x 600mm (26.57" x 35.43" x 29.72")	565 x 550mm (22.24" x 21.65")	565 x550mm (22.24" x 21.65")

Outside Dimensions w x d x h	Weight (unloaded)	Minimum Installation w x d	Door Swing
905 x 1510 x 1880mm (35.32" x 59.44" x 74.01")	960kg (2116.44 lbs)	2000 x 1405mm (78.74" x 55.31")	n/a

285L AUTOCLAVE
POWER DOOR

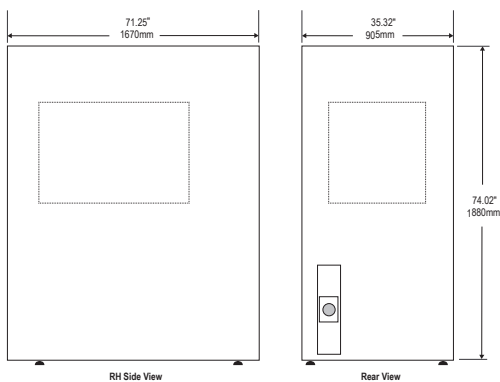EH285PD-SMART, SH285PD-SMART

RH Side View — 65.74" 1670mm

Rear View — 35.32" 905mm, 74.02" 1880mm

Heat Input	Chamber Volume	Operating Range	Loading Format	Loading Height	Heating Power
Electrical or Direct Steam Source	285 litres	Up to 138˚C, 2.4 Bar (280˚F 34 psi)	Front Loading	950mm (37.40")	21kW 30A three-phase

Chamber Dimensions w x d x h	Bottom Shelf Dimensions w x d	Top Shelf Dimensions w x d
580 x 760 x 600mm (22.83" x 29.92" x 23.62")	565 x 660mm (22.24" x 25.98")	565 x 660mm (22.24" x 25.98")

Outside Dimensions w x d x h	Weight (unloaded)	Minimum Installation w x d	Door Swing
905 x 1670 x 1880mm (35.32" x 65.74" x 74.02")	1060kg (2336.9 lbs)	2160 x 1405mm (85.03" x 55.31")	n/a

350L AUTOCLAVE
POWER DOOR

EH350PD-SMART, SH350PD-SMART

RH Side View — 71.25" 1670mm

Rear View — 35.32" 905mm, 74.02" 1880mm

Heat Input	Chamber Volume	Operating Range	Loading Format	Loading Height	Heating Power
Electrical or Direct Steam Source	350 litres	Up to 138˚C, 2.4 Bar (280˚F 34 psi)	Front Loading	950mm (37.40")	21kW 30A three-phase

Chamber Dimensions w x d x h	Bottom Shelf Dimensions w x d	Top Shelf Dimensions w x d
580 x 900 x 600mm (22.83" x 35.43" x 23.62")	565 x 850mm (22.24" x 33.46")	565 x 850mm (22.24" x 33.46")

Outside Dimensions w x d x h	Weight (unloaded)	Minimum Installation w x d	Door Swing
905 x 1670 x1880mm (35.32" x 71.25" x 74.02")	1060kg (2336.9 lbs)	2310 x 1405mm (90.94" x 55.31")	n/a

CONFORMITY & COMPLIANCE

UK Standard	ISO 9001 / CE Marked / BS2646	INT Standard	EMC Compliance
US Standard		Sustainability	
EU Standard	CE / ISO 9001 / PED 97/23/EC	Service	Priorclave Trained Standard