# Priorclave

# PERFORMANCE

### 450L AUTOCLAVE
## POWER DOOR

EH450PD-PERFORMANCE
SH450PD-PERFORMANCE

### 700L AUTOCLAVE
## POWER DOOR

EH700PD-PERFORMANCE
SH700PD-PERFORMANCE

Performance autoclaves are designed for high-throughput operation (i.e., more than four complete cycles each day) and are especially adept at challenging loads and items. These steam/water-jacketed sterilisers are fast to heat and fast to cool. They produce drier loads more quickly and reliably and at lower cost than many comparable sterilisers. Zero-clearance power doors further reduce the unit's footprint, giving even the smallest labs access to the largest and most advanced research-grade autoclaves. Features fully customisable cycles (with expanded memory), pre-cycle and post-cycle vacuum, integrated cooling and freesteaming, drain protection, and air intake filtration. Electrical models come with an integral steam generator.

## KEY FEATURES

• Special STAYPUT locking geometry keeps the pressure door fully locked even in event of drive failure. The push-button controls managte 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.

• Water cooling jackets.

• 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).

## SPEAK WITH AN AUTOCLAVE EXPERT

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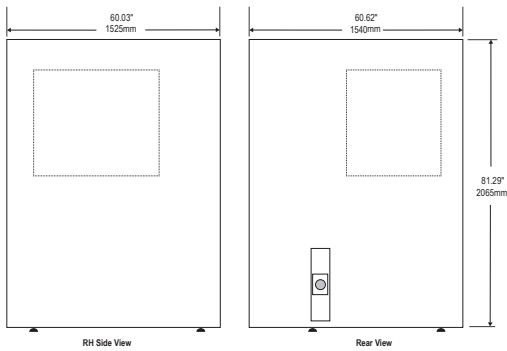
Our highly trained service technicians provide dedicated pre- and after-sales support including planned maintenance programmes to ensure you get the most from your Priorclave.

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.

## 450L AUTOCLAVE
# POWER DOOR

EH450PD-PERFORMANCE, SH450PD-PERFORMANCE

RH Side View

Rear View

| 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 | 1080mm (42.51″) | 24kW 35A 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 830mm (25.98″ x 32.67″) | | 660 x 830mm (25.98″ x 32.67″) | |

| Outside Dimensions w x d x h | Weight (unloaded) | Minimum Installation w x d | Door Swing |
|---|---|---|---|
| 1540 x 1525 x 2065mm (60.62″ x 60.03″ x 81.29″) | 1180kg (2601.45 lbs) | 2050 x 1540mm (80.70″ x 60.62″) | n/a |

## 700L AUTOCLAVE
# POWER DOOR
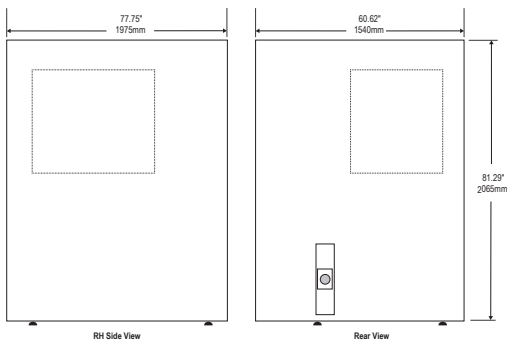
EH700PD-PERFORMANCE, SH700PD-PERFORMANCE

RH Side View

Rear View

| 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 | 1080mm (42.51″) | 48kW 69A 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 w x d | Door Swing |
|---|---|---|---|
| 1540 x 1975 x 2065mm (60.62″ x 77.75″ x 81.29″) | 1360kg (2998.28 lbs) | 2500 x 1540mm (98.42″ x 60.62″) | 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 |