



Rectangular Section Priorclaves

- 230, 350, 450 and 700 Litre Capacities
- Large rectangular chamber within a compact frame
- Two or three (450 & 700L Models) handwheel closure system with patented Priorclave safety mechanism
- Electrically Heated or Direct steam heated models available
- Steam generated within the chamber (electrically heated models)
- Insurance approved, stainless steel grade 316L chamber manufactured under an ISO 9000 regime.
- Conforms to BS2646-1993, Pressure Equipment Regulations PD5500:2000 Cat.3, European PED 97/23/EC, EMC Compliance tested and CE marked, for BS EN61010-2-41, Low Voltage Directives, amongst others
- Supplied with two full width stainless steel shelves.
- Rapid cooling system as standard.

Design

Operation up to 138°C – 2.4. The **TACTROL** microprocessor control system has staged illumination giving digital readouts of cycle status and the simple to set control panel features adjustable temperature and time that can be viewed simultaneously. Ideally suited for use in a wide range of applications:

Sterilisation - media preparation, liquids and diluent, waste, glassware, instruments, apparatus, health care

Non-sterilisation – food processing, plastics, accelerated curing, construction.

Extensively used within many industries, including: food, drink, dairy, pharmaceutical, agricultural, education, healthcare, research establishments and industry.

Safety Features

The pressure vessel is insurance approved.

Safety features include: special safety handnut mechanism, which cracks the gasket seal allowing any residual pressure to safely escape. A thermal cooling lock, preventing the door from being opened until the contents have cooled to a safe temperature and a pressure interlock are also fitted. The unit also features a low water level sensor, that prevents boil-dry conditions and a safety blow down valve affords further protection.

Installation requirements

The single vent outlet pipe can be directed to a nearby drain. For make safe processing the discharge should be directed to a sealed discharge system; the system should lead by direct connection to a building drain or catchment tank.

For more specific advice about your particular installation requirements please contact our Technical Department

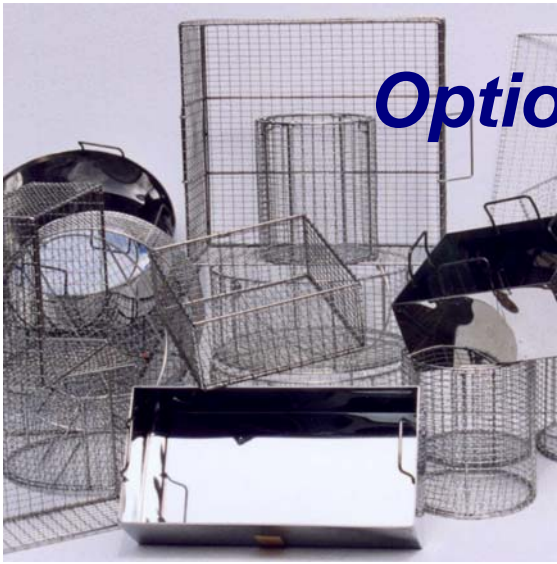


Installation Details

*where applicable to model chosen

Connection	RSC230	RSC350	RSC450	RSC700
Electrical*	400V 21kW 30A 3 Phase	400V 21kW 30A 3 Phase	400V 32.5kW 45A 3 Phase	400V 42kW 60A 3 Phase
Steam*	Dry Steam reduced to 40psi. ½" BSP.			
Height from floor	1300mm	1300mm	1300mm	
Vent Outlet	28mm (1" BSP)			
Height from floor	1395mm	1395mm	1550mm	1550mm
Drain*	15mm (½" BSP)			
Height from floor	400mm	400mm	400mm	400mm
Water Inlet*	15mm (½" BSP)			
Height from floor	820mm	820mm	820mm	820mm
Space required for full working installation (wxdxh)	960x1910x 1635mm	960x2210x 1635mm	1055x2305x 1790mm	1055x2765x 1790mm

Dimensions are approximate only



Options and accessories

Priorclaves are available with a full range of control options to suit any application.

- Pre-cycle vacuum stages can be accommodated with vacuum assisted drying and vacuum assisted cooling (patent applied for) with the fitting of a fully automatic vacuum pump
- A selection of baskets and stainless steel discard containers are available for individual models.
- To help with heavy loads basket hoists, loading cassettes and loading trolleys are available.

For more detailed advice about your specific requirements please contact our Sales Department.

TACTROL® 2 Control System

Load Sensed Process Timing (Option)

Guaranteed sterilisation times from a probe in the anticipated coolest

Automatic Freesteaming

Includes a venting period during heating, greatly improving temperature distribution and helping air removal. Also available – Pulsed Freesteaming – for improved waste load performance.(optional)

Multi-Program Memory (Option)

Simply press program number required to restore all your settings. Five and ten program options available.

Accelerated Cooling

Powerful fans blow cold air over the autoclave vessel reducing cooling times to safe load temperatures. Delayed start selectable to reduce media volume loss.



Media Warming

Forget early morning starts to melt media! The autoclave maintains the media overnight at a 'ready to pour' temperature.

Vacuum (Options)

Pre-Cycle Vacuum to assist air removal. Vacuum Drying and Cooling options are also available.

Process Printer (Option)

A full record of temperature and time is recorded at key stages of the cycle. Your details can be printed at the start of each printout, together with the autoclave serial and cycle number. The data is recorded on plain paper giving an archivable record. Pressure and load temperature printing options are also available.

Specifications

(For direct Steam Heated models substitute SH for EH)

Order Ref.	Working Volume (Litres)	Loading Format	Working Dims. wxdxh (mm)	Outside Dims. wxdxh (mm)	Steam Heating Available	Weight (kg)
PS/RSC/EH230	232	Front	580x600x600*	760x950x1635	Yes	560
PS/RSC/EH350	348	Front	580x900x600*	760x1250x1635	Yes	640
PS/RSC/EH450	450	Front	675x900x755*	855x1250x1790	Yes	770
PS/RSC/EH700	700	Front	675x1360x755*	855x1710x1790	Yes	950

* Steam heated models have an extra 45mm working height

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