



Rectangular Section Vertical Power Door Priorclaves

- 450 and 700 Litre Capacities
- Large rectangular chamber within a compact frame
- Priorclave power door system with 'Stayput' safety geometry*
- Hydraulic drive system.
- Electrically Heated, Direct steam or Internally Generated Steam heated models available
- Optional Steam & Water Jacket
- Insurance approved, stainless steel grade 316L chamber manufactured under an ISO 9000 regime guaranteed for 10,000 operating cycles
- 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. Loading systems available to suit individual customer loads
- Rapid cooling system as standard.
- Delayed start and media warming capacity for laboratory operation

* Patent applied for

Design

Operation up to 138°C – 2.4 Bar. 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.

Pre-cycle vacuum stages can be accommodated with vacuum assisted drying and vacuum assisted cooling with the fitting of a fully automatic vacuum pump

Ideally suited for use in a wide range of applications:

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

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 fully insurance approved.

Safety features include: special 'Stayput' locking geometry keeping the pressure door fully locked in position even in the case of failure of the drive system. 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

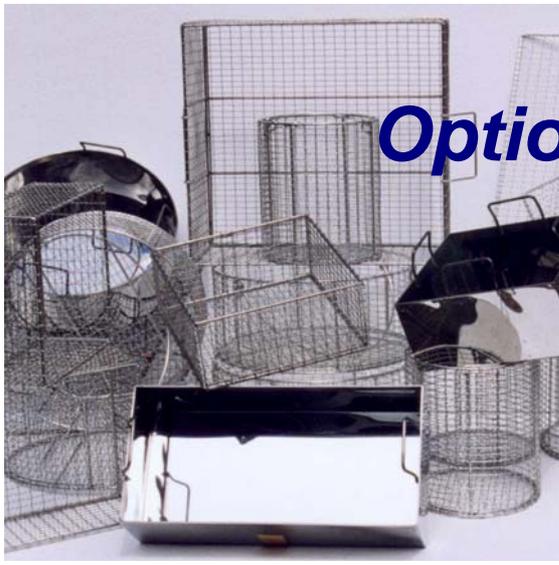
The single 28mm vent outlet pipe can be directed to a nearby drain. For make safe processing the discharge should be directed to a sealed discharge system; the system should lead by direct connection to a building drain or catchment tank.

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



Model	PS/RSV/450	PS/RSV/700
Vessel Size (wxdxh) mm	675x900x755 [#]	675x1360x755 [#]
Overall Size (wxdxh) mm	1350x1320x2050	1350x1780x2050
Power Requirement (Electrically Heated)	32.5kW 415volts 3 phase	42kW 415volts 3 phase
Power Requirement (Direct Steam Heated)	3 kW 220v single phase	3 kW 220v single phase

[#] Steam heated models have an additional 75mm working height



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

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.

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.



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. Pressure and load temperature printing options are also available.



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E. & O.E Priorclave have a policy of continuous development and reserve the right to alter the specification of our products without prior notice.

