

Crystal E

Specifications for Crystal 300E. All models are equipped with a 14" steam generator (18kw).

Design Features

- 300 litres
- MP25 Controller
- Square Chamber
- Economical simple door closure
- Fixed Seal
- Economical space saving design
- Drip tray under door
- Fan assisted cooling

Optional Accessories

- Loading trolleys & carriages
- Data recording options
- Drain line condenser for plastic drains
- Electronic Scale prevention
- Vacuum air removal
- Waste discard containers
- Air Ballasting
- Additional shelves loading baskets

All measurements are in mm unless specified otherwise

Capacities & Dimensions

Model

Autoclave weight	Crystal 300 500 kg
Export case size	990w x 1870h x 1610d
External dimensions	830w x 1800h x 1450d
Chamber dimensions	510w x 510h x 1030d
Usable chamber capacity	300 litres

Safe Design Operating Limits

Model

Max working temperature	Crystal 300 138° C
Min working temperature	7° C
Min ambient temperature	11° C
Max ambient temperature	28° C
Max hydraulic pressure	4.14 Bar
Max working pressure	2.62 Bar
Max working vacuum	-1 Bar
Boiler hydraulic pressure	6 Bar
Boiler working pressure	4 Bar

Site Requirements

Electrical site requirements:

Switched RCD Required

Model

Drain Requirement	Crystal 300 150°C 35mmØ copper
Voltage	415 Volts
Phase requirement	3ph/N 50/60 hz
Power consumption	18kw
Fuse rating	40amp

Optional Requirements

- Air supply at 38psi 7cfm for air ballasting option

General Requirements

- Sodium Chloride within water supply MUST NOT exceed a level greater than 500 parts per million.
- Use regular mains water only, DO NOT use RO or Distilled water.
- Boiler requires a 25 litre header tank situated between 1 & 4 metres above the autoclave.
- Drain requires a 35mmØ copper pipe located at floor level.

Complying Standards

- PED Cat 2 Module A1 Notified Body: Royal & Sun alliance No. 0040
- Harmonised Standards applied: EMC BS EN 61326
- Community directives applied : Pressure Equipment Directive 97/23/EC
- Designed in accordance with BS5500 & BS2646 part 1 EN 1919-2-41
- Chamber and Door constructed of stainless steel BS1501-321 S31 & BS 1501-316 S 31



"The crystal is a powerful workhorse, combining large capacity with clever design features designed to save you time and money in the running of your lab..."

Information is subject to change to suit different options added. The information on this sheet is correct as of 6th September 2013. Please contact us if you have any queries. E & OE



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