

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

Capacities & Dimensions

Model

Autoclave weight
Export case size
External dimensions
Chamber dimensions
Usable chamber capacity

Crystal 300

500 kg
990w x 1870h x 1610d
830w x 1800h x 1450d
510w x 510h x 1030d
300 litres

All measurements are in mm unless specified otherwise

Safe Design Operating Limits

Model

Max working temperature
Min working temperature
Min ambient temperature
Max ambient temperature

Crystal 300

138° C
7° C
11° C
28° C

Max hydraulic pressure
Max working pressure
Max working vacuum
Boiler hydraulic pressure
Boiler working pressure

4.14 Bar
2.62 Bar
-1 Bar
6 Bar
4 Bar

Site Requirements

Electrical site requirements:

Switched RCD Required

Model

Drain Requirement
Voltage
Phase requirement
Power consumption
Fuse rating

Crystal 300

150°C 35mmØ copper
415 Volts
3ph/N 50/60 hz
18kw
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



Rodwell Scientific Instruments, Benthalls, Pippes Hill Industrial Estate, Basildon, Essex SS14 3SD, United Kingdom
Tel: +44 (0)1268 286646 Fax: +44 (0)1268 287799
E-mail: sales@rodwell-autoclave.com
Site: www.rodwell-autoclave.com