

Crystal DS

Specifications for Crystal 200, 250 & 300DS.

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

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

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:

Model

Mains Steam Supply
Drain Requirement
Voltage
Phase requirement
Power consumption
Fuse rating

Switched RCD Required

Crystal 300

35lb p/h @2.67 bar
150°C 35mmØ copper
240Volts
1ph/N 50/60 hz
1kw
6amp

Optional Requirements

- Air supply at 38psi 7cfm for air ballasting option
- Backup Steam Generator requires 35amp 3ph/N 50/60hz power supply & a 25 litre header tank situated between 1 & 4 metres above the autoclave.

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.
- Drain requires a 35mmØ copper pipe located at floor level.
- Mains Steam Supply required: 18kw, 35lb p/h @ 2.67 bar / 38 PSI.

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 25th September 2013. Please contact us if you have any queries. E & OE



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