

# Gemini

Specification for Gemini 250DS & 316DS

## Design Features

- 2 x 158 litre chambers in one frame
- Total capacity of 316 litres
- MP 25 Control
- Independently controlled chambers
- Space-saving design
- Can be used as a clean and dirty autoclave in one frame
- Integral drip tray under each door

## Optional Accessories

- Air Ballasting
- Hydraulic loading trolley & baskets
- Waste discard system
- Drainline condenser for plastic drains
- Range of cycle recording systems
- Scale prevention systems
- Integrated backup steam generator
- Vacuum air removal systems

## Capacities and Dimensions

All measurements are in mm unless explicitly stated otherwise.

Model	Gemini 250	Gemini 316
Autoclave Weight	580 kg	600 kg
Export Case Size	810w x 2240h x 1580d	810w x 2240h x 1580d
Overall dimensions	650w x 1970h x 1310d	650w x 1970h x 1310d
Chamber dimensions:	460 Ø x 760 deep (x2)	460 Ø x 960 deep (x2)
Chamber Usable Capacity	125 litres (x2)	158 litres (x2)

## Safe Design Operating Limits

Model	Gemini 250	Gemini 316
Max working temperature	138° C	138° C
Min working temperature	7° C	7° C
Min ambient temperature	11° C	11° C
Max ambient temperature	28° C	28° C

Max hydraulic pressure	4.14 Bar	4.14 Bar
Max working pressure	2.62 Bar	2.62 Bar
Max working vacuum	Minus 1 Bar	Minus 1 Bar

## Site Requirements

Electrical site requirement Switched RCD Required

Model	Gemini 250	Gemini 316
Mains steam supply	35lb p/h @ 2.67bar	35lb p/h @ 2.67bar
Drain requirement	150°C 35mm copper pipe	150°C 35mm copper pipe
Voltage	240 Volts	240 Volts
Phase requirement	1ph/N 50/60hz	1ph/N 50/60hz
Power consumption	1kw.	1kw.
Fuse Rating	6amp	6amp

## Option Requirements

- Air supply at 38psi 7cfm for air ballasting option
- Backup Steam Generator requires 35amp 3ph/N 50/60hz power supply
- The Drain line condenser option requires a header tank of 15 litres placed between one and four metres above the autoclave

## General Requirements

- Sodium Chloride within water supply MUST NOT EXCEED a level greater than 30 parts per million.

## Complying Standards

- PED Cat. 2 Module A1 Notified Body Royal & Sun Alliance No 0040.
- Harmonized Standards Applied: EMC BS EN 61326.
- Community Directives Applied: Pressure Equipment Directive: 97/23/EC
- Designed in accordance with BS2646 part 1 En1919-2-41
- Chamber & Door constructed of stainless steel BS1501-321 S31 & BS 1501-316 S31

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“ The gemini uniquely combines two of our most popular autoclave vessels into one robust frame, ideal for any busy laboratory ”

Information is subject to change to suit different options added.

The information in this sheet is correct as of 31st October 2006, please contact us if you have any queries.

Rodwell