

# Gemini DS

Specification for Gemini 316DS

## Design Features

- 2 x 158 litre chambers in one frame.
- Total capacity of 316 litres
- MP25 Control
- Independantly controlled chambers.
- Robust space-saving design
- Can be used as clean & dirty autoclave within one frame.
- Integral drip tray under each door.

## Optional Accessories (continued)

- Scale prevention systems
- Waste discard system
- High speed fan accelerated cooling
- Range of cycle recording systems
- Vacuum air removal & drying systems
- Integrated backup steam generator
- Hydraulic loading trolley
- Additional Baskets and trays

## Capacities and dimensions

Model	Gemini 316
Autoclave weight	450 kg
Export packing case	810w x 2240h x 1580d
Overall dimensions	650w x 1970h x 1310d
Chamber dimensions	460 Ø x 960d (x2)
Chamber usable capacity	150 litres (x2)
Water requirement	23 litres (x2)

All measurements are in mm unless explicitly stated otherwise

## Safe Design Operating Limits

Model	Gemini 316
Max working temperature	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	Minus 1 Bar

## Site Requirements

Electrical site requirement:	Switched RCD Required
<b>Model</b>	<b>Gemini 316</b>
Mains Steam Supply	35lb p/h @ 2.67 bar
Drain requirement	150°C 35mmØ copper
Voltage	240 Volts
Phase requirement	1ph/N 50/60 hz
Power consumption	1kw
Fuse rating	6amp

## Option Requirements

- Backup steam generator option requires a header tank of 25 litres placed between one & four metres above the autoclave.
- Air supply at 38psi 7cfm required for air ballasting option.
- Post Cycle Drying will require vacuum option.
- Backup Steam Generator requires 35amp 3ph/N 50/60hz power supply

## 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 distilled or RO water.
- 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 BS550 & BS2646 part 1 EN 1919-2-41
- Chamber and Door constructed of stainless steel BS1501-321 S31 et BS 1501-316 S 31



**“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 on this sheet is correct as of 6th September 2013. Please contact us if you have any queries.



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