

Gemini E

Specification for Gemini 316E with in chamber heating

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 steam generator
- Hydraulic loading trolley
- Additional Baskets and trays

Capacities and dimensions

Model

Autoclave weight
Export packing case
Overall dimensions
Chamber dimensions
Chamber usable capacity
Water requirement

Gemini 316

450 kg
810w x 2240h x 1580d
650w x 1970h x 1310d
460 Ø x 960d (x2)
150 litres (x2)
23 litres (x2)

All measurements are in mm unless explicitly stated otherwise

Safe Design Operating Limits

Model

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

Gemini 316

138° C
7° C
11° C
28° C

Max hydraulic pressure
Max working pressure
Max working vacuum

4.14 Bar
2.62 Bar
Minus 1 Bar

Site Requirements

Electrical site requirement:

40AMP switched RCD Required

Model

Drain requirement
Voltage
Phase requirement
Power consumption
Fuse rating

Gemini 316

150°C 35mmØ copper
415 Volts
3ph/N 50/60 hz
18kw
40amp

Option Requirements

- The auto fill or 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.

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.

Complying Standards

- PED Cat 3 Module B+C1 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.

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