

Ensign

Specification for Ensign 100 & 125 Electric

Design Features

- 100 or 125 litre
- MP 25 Control
- Robust space-saving design
- Single or 3 phase supply

Optional Accessories

- Additional loading baskets
- Automatic Fill
- Automatic drain and re-fill
- Scale prevention systems

Optional Accessories (continued)

- Waste discard system
- High speed fan accelerated cooling
- Condense collector which eliminates a drain requirement (100 Litre Only)
- Loading step for 125 litre variant
- Range of loading hoists
- Vacuum air removal systems
- Range of cycle recording systems
- Air removal hepa filter

Capacities and Dimensions

All measurements are in mm unless explicitly stated otherwise.

Model	Ensign 100	Ensign 125
Autoclave Weight	320 kg	335 kg
Export Case Size	740w x 1370h x 990d	740w x 1530h x 990d
Overall dimensions	580w x 1100h x 830d	580w x 1260h x 830d
Chamber dimensions:	460 Ø x 610 deep	460 Ø x 870 deep
Chamber Usable Capacity	98.75 litres	124.45 litres
Water requirement	18 litres	18 litres

Safe Design Operating Limits

Model	Ensign 100	Ensign 125
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	2.26 Bar	2.26 Bar
Max working vacuum	Minus 1 Bar	Minus 1 Bar

Site Requirements

Electrical site requirement Switched RCD Required

Model	Ensign 100	Ensign 125
Drain requirement	150° 35mm copper pipe	150° 35mm copper pipe
Voltage	230 Volts	415 Volts
Phase requirement	1ph/N 50/60hz	3ph/N 50/60hz
Power consumption	6kw.	9kw.
Fuse Rating	26amp	35amp

Option Requirements

- The auto fill option requires a header tank of 15 litres placed between one and four metres above the autoclave.
- Vacuum option with Drying Heater, will require Auto/fill and Auto/Drain with plumbed in drain service

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



“ The ensign is a robust and reliable autoclave, ideal for any mid-sized laboratory that needs a configurable workhorse they can rely on for smooth operation. ”

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.

