

Ensign

Specification for Ensign 100 & 125 Direct Steam

Design Features

- 100 or 125 litre
- MP 25 Control
- Robust space-saving design

Optional Accessories

- Additional loading baskets
- Automatic Fill
- Automatic drain and re-fill

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

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
Mains steam supply	35lb p/h @ 2.67bar	35lb p/h @ 2.67bar
Drain requirement	150° 35mm copper pipe	150° 35mm copper pipe
Voltage	230 Volts	230 Volts
Phase requirement	1ph/N 50/60hz	1ph/N 50/60hz
Power consumption	0.5kw.	0.5kw.
Fuse Rating	2amp	2amp

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.

