

# Ambassador E

Specification for Ambassador 100E, & 158E with an integrated steam Generator

## Design Features

- 100 & 158 litre options
- MP25 Control
- Robust space-saving design

## Optional Accessories

- Waste discard system
- Scale prevention systems

## Optional Accessories (continued)

- High speed fan accelerated cooling
- Range of cycle recording systems
- Air removal hepa filter
- Loading trolley
- Additional Baskets and trays
- Drain line condenser for plastic drains
- Vacuum air removal systems

## Capacities and dimensions

All measurements are in mm unless explicitly stated otherwise

### Model

	Ambassador 100	Ambassador158
Autoclave weight	215 kg	225 kg
Export packing case	760w x 1590h x 1410d	760w x 1590h x 1410d
Overall dimensions	650w x 1240h x 1160d	650w x 1240h x 1310d
Chamber dimensions	460 Ø x 610d	460 Ø x 960d
Chamber usable capacity	100 litres	150 litres
Water requirement	18 litres	23 litres

## Safe Design Operating Limits

### Model

	Ambassador 100	Ambassador158
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: 16AMP Type C MCB required

### Model

	Ambassador 100	Ambassador158
Drain requirement	150°C 35mmØ copper	150°C 35mmØ copper
Voltage	415 Volts	415 Volts
Phase requirement	3ph/N 50/60 hz	3ph/N 50/60 hz
Power consumption	9kw	9kw
Fuse rating	16amp	16amp

## Option Requirements

- 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.
- Requires a header tank of 25 litres placed between one & four metres above the autoclave.

## 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 BS2646 part 1 EN 1919-2-41
- Chamber and Door constructed of stainless steel BS1501-321 S31 et BS 1501-316 S 31



**“The Ambassador is a heavy duty autoclave that is designed to meet the needs of any busy laboratory. With nine different variants to suit all your needs”**

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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