

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

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

Ambassador 100

215 kg
760w x 1590h x 1410d
650w x 1240h x 1160d
460 Ø x 610d
100 litres
18 litres

Ambassador158

225 kg
760w x 1590h x 1410d
650w x 1240h x 1310d
460 Ø x 960d
150 litres
23 litres

Safe Design Operating Limits

Model

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

Ambassador 100

138° C
7° C
11° C
28° C

Ambassador158

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

4.14 Bar
2.62 Bar
Minus 1 Bar

Site Requirements

Electrical site requirement:

16AMP Type C MCB required

Model

Drain requirement
Voltage
Phase requirement
Power consumption
Fuse rating

Ambassador 100

150°C 35mmØ copper
415 Volts
3ph/N 50/60 hz
9kw
16amp

Ambassador158

150°C 35mmØ copper
415 Volts
3ph/N 50/60 hz
9kw
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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