

Ambassador DS

Specification for Ambassador 100 & 158 Direct Steam (DS)

Design Features

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

Optional Accessories

- Back up integrated emergency boiler
- Air ballasting

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 system

Capacities and dimensions

Model

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

Ambassador 100

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

Ambassador158

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

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

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:

Model

Mains steam supply
Drain requirement
Voltage
Phase requirement
Power consumption
Fuse rating

Switched RCD required

Ambassador 100

35lb p/h @ 2.67bar
150°C 35mmØ copper
230 Volts
1ph/N 50/60 hz
1kw
5amp

Ambassador158

35lb p/h @ 2.67bar
150°C 35mmØ copper
230 Volts
1ph/N 50/60 hz
1kw
5amp

Option Requirements

- Air supply at 38psi 7cfm required for air ballasting option.
- Integrated back up steam generator requires an electrical supply of 35amp 3ph/N 50/60hz

General Requirements

- Sodium Chloride within water supply MUST NOT EXCEED a level greater than 500 parts per million
- Required Steam Source: 38psi 9kw (35lbs per hour).

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 BS5500 & 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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