

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

All measurements are in mm unless explicitly stated otherwise

Model

| | | |
|-------------------------|---------------------------------|--------------------------------|
| Autoclave weight | Ambassador 100 200 kg | Ambassador158 210 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 |

Safe Design Operating Limits

Model

| | | |
|-------------------------|---------------------------------|--------------------------------|
| Max working temperature | Ambassador 100 138° C | Ambassador158 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: | Switched RCD required | |
| Model | Ambassador 100 | Ambassador158 |
| Mains steam supply | 35lb p/h @ 2.67bar | 35lb p/h @ 2.67bar |
| Drain requirement | 150°C 35mmØ copper | 150°C 35mmØ copper |
| Voltage | 230 Volts | 230 Volts |
| Phase requirement | 1ph/N 50/60 hz | 1ph/N 50/60 hz |
| Power consumption | 1kw | 1kw |
| Fuse rating | 5amp | 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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