

Ambassador DS

Specification for Ambassador 100 125 & 158 Direct Steam (DS)

Design Features

- 100, 125 & 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	Ambassador 100	Ambassador 125	Ambassador 158
Autoclave weight	200 kg	205 kg	210 kg
Export packing case	760w x 1590h x 1410d	760w x 1590h x 1410d	760w x 1590h x 1410d
Overall dimensions	650w x 1240h x 1160d	650w x 1240h x 1160d	650w x 1240h x 1310d
Chamber dimensions	460 Ø x 610d	460 Ø x 760d	460 Ø x 960d
Chamber usable capacity	82 litres	107 litres	135 litres

Safe Design Operating Limits

Model	Ambassador 100	Ambassador 125	Ambassador 158
Max working temperature	138° C	138° C	138° C
Min working temperature	7° C	7° C	7° C
Min ambient temperature	11° C	11° C	11° C
Max ambient temperature	28° C	28° C	28° C
Max hydraulic pressure	4.14 Bar	4.14 Bar	4.14 Bar
Max working pressure	2.62 Bar	2.62 Bar	2.62 Bar
Max working vacuum	Minus 1 Bar	Minus 1 Bar	Minus 1 Bar

Site Requirements

Electrical site requirement:	Switched RCD required		
Model	Ambassador 100	Ambassador 125	Ambassador 158
Mains steam supply	35lb p/h @ 2.67bar	35lb p/h @ 2.67bar	35lb p/h @ 2.67bar
Drain requirement	150°C 35mmØ copper	150°C 35mmØ copper	150°C 35mmØ copper
Voltage	230 Volts	230 Volts	230 Volts
Phase requirement	1ph/N 50/60 hz	1ph/N 50/60 hz	1ph/N 50/60 hz
Power consumption	1kw	1kw	1kw
Fuse rating	5amp	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
- The drain line condenser option requires a header tank of 15 litres placed between one & four metres above the autoclave

General Requirements

- Sodium Chloride within water supply MUST NOT EXCEED a level greater than 30 parts per million
- Required Steam Source: 38psi 9kw (30lbs 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 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 21st March 2008. Please contact us if you have any queries.

