

Ambassador E

Specification for Ambassador 100E, 125E & 158E with in chamber heating

Design Features

- 100, 125 & 158 litre options
- MP25 Control
- Single or 3 phase option for 100 litre model.
- Robust space-saving design

Optional Accessories

- Automatic fill
- Automatic drain and re-fill

Optional Accessories (continued)

- Scale prevention systems
- Waste discard system
- High speed fan accelerated cooling
- Range of cycle recording systems
- Vacuum air removal
- Integrated steam generator
- Loading Trolley
- Additional Baskets and trays

Capacities and dimensions

All measurements are in mm unless explicitly stated otherwise

Model	Ambassador 100	Ambassador 125	Ambassador158
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
Water requirement	18 litres	18 litres	23 litres

Safe Design Operating Limits

Model	Ambassador 100	Ambassador 125	Ambassador158
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	Ambassador158
Drain requirement	150°C 35mmØ copper	150°C 35mmØ copper	150°C 35mmØ copper
Voltage	230/415 Volts	415 Volts	415 Volts
Phase requirement	1ph/3ph/N 50/60 hz	3ph/N 50/60 hz	3ph/N 50/60 hz
Power consumption	6kw/9kw	9kw	9kw
Fuse rating	26/35amp	35amp	35amp

Option Requirements

- The auto fill option requires a header tank of 25 litres placed between one & four metres above the autoclave.
- Air supply at 38psi 7cfm required for air ballasting option.
- Vacuum option with drying heater, will require Auto fill & Auto drain.
- 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

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.

