

Monarch Compact

Specification for Monarch 50 & 75 Electric



Design Features

- 50 or 75 litre
- MP 25 Control
- Robust space-saving design
- Flip up control panel
- Compact under bench design
- Plug in and play
- Exceptionally low loading height
- Excellent load capacity for up to 3 baskets

Optional Accessories

- Additional loading baskets
- Fan Assisted Cooling
- Waste discard system
- Condense collector which eliminates a drain requirement
- Air removal hepa filter
- Cycle Data Recorders
- 4 kW High Speed Heating (MON 75)
- 3 kW Heater for Portability (MON 50)

Capacities and Dimensions

All measurements are in mm unless explicitly stated otherwise.

Model	Monarch 50	Monarch 75
Autoclave Weight	120 kg	160 kg
Export Case Size	630w x 1110h x 890d	630w x 1330h x 890d
Overall dimensions	465w x 800h x 680d	465w x 1100h x 680d
Chamber dimensions:	350 Ø x 520 deep	350 Ø x 780 deep
Chamber Usable Capacity	35.68 litres	47.60 litres
Water requirement	8 litres	8 litres

Safe Design Operating Limits

Model	Monarch 50	Monarch 75
Max working temperature	138° C	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

Model	Monarch 50	Monarch 75
Electrical site requirement	Switched RCD Required	
Voltage	230 Volts	230 Volts
Phase requirement	1ph/N 50/60hz	1ph/N 50/60hz
Power consumption	3kw.	4kw.
Fuse Rating	13amp	20amp

Option Requirements

- The auto fill option requires a header tank of 15 litres placed between one and four metres above the autoclave.
- Vacuum option with Drying Heater, will require Auto/fill and Auto/Drain with plumbed in drain service
- Drain Requirement of 150° C 35mm Ø copper pipe at ground level

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.
- Harmonized Standards Applied: EMC BS EN 61326.
- Community Directives Applied: Pressure Equipment Directive: 97/23/EC
- Designed in accordance with BS2646 part 1 En1919-2-41
- Chamber & Door constructed of stainless steel BS1501-321 S31 & BS 1501-316 S31



“ The monarch 50 is ideal as an under-bench solution, this autoclave has unique space saving ideas which includes a flip up control panel that features our MP25 controller ”

Information is subject to change to suit different options added.

The information in this sheet is correct as of 31st October 2006, please contact us if you have any queries.

