

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

Electrical site requirement Switched RCD Required

| Model | Monarch 50 | Monarch 75 |
|-------------------|---------------|---------------|
| 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.

