



## Monarch Compact

Specifications for a Monarch 50 & 75 electric model

### Design Features

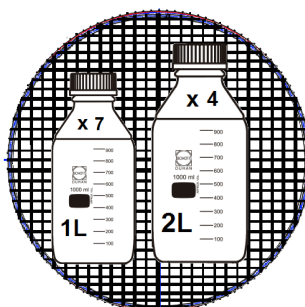
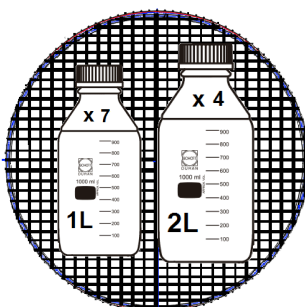
- 50 or 75 litres
- MP25 Controller
- Robust space saving design
- Single phase 'plug & play' (50L Version)
- Counterbalanced lid for easy opening
- Monarch 50 fits underneath a standard bench
- Exceptionally low loading height
- Grade 316 stainless steel chamber
- Excellent loading capacity for up to 3 baskets (75L version)
- Complete versatility for almost any application

### Optional Accessories

- † Additional Loading Baskets
- † Waste Discard System
- † Fan Assisted High Speed Cooling
- † Condense Collector, which eliminates a drain requirement.
- † Air removal HEPA filter
- † Data logging options (paper & paperless)
- † Vacuum option
- † Anti Lime scale system



Capacities and dimensions		
Model	Monarch 50	Monarch 75
Autoclave Weight	120kg	160kg
Export Case Size	630w x 1110h x 890d	630w x 1330h x 890d
Overall Dimensions	470w x 840h x 690d	470w x 1100h x 690d
Chamber Dimensions	350 Ø x 520d	350 Ø x 780d
Loading Height	640mm	950mm
Chamber Capacity	50L	75L
Water Consumption (typical per cycle)	100ml	100ml
1L Media Bottles	14	28
2L Media Bottles	4 (in 1 basket only)	4 (in 1 basket only)
Basket Dimensions	320ØxH230 (X2)	320ØxH230 (X3)
Waste Discard Dimensions	320ØxH486	320ØxH486



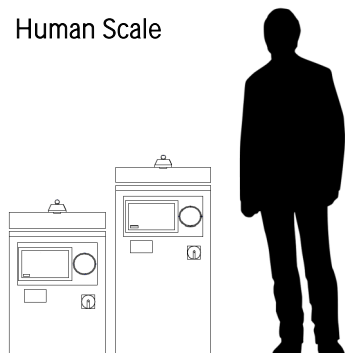
Monarch 50 Bottles per basket

Monarch 75 Bottles per basket

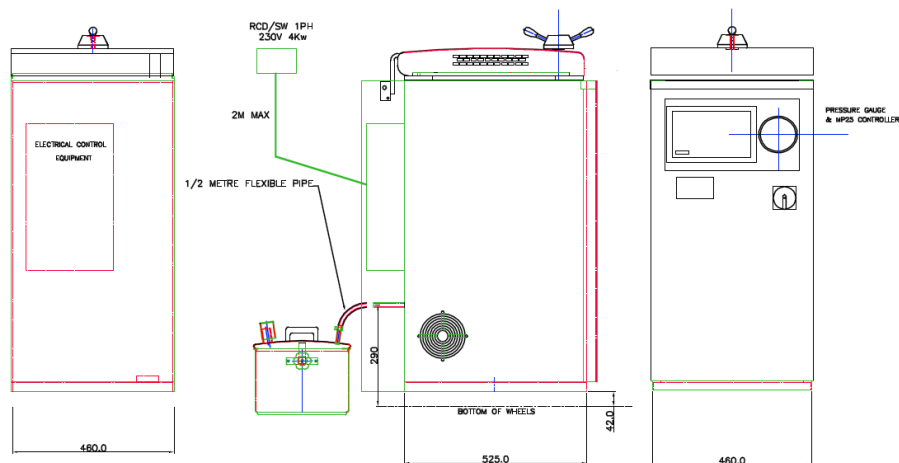
Not to scale

# The Rodwell Autoclave Company

## Human Scale



## Typical Installation



### Safe Design Operating Limits

Model	Monarch 50	Monarch 75
Max working temperature	138 °C	138 °C
Min working temperature	7 °C	7 °C
Max ambient temperature	28 °C	28 °C
Min ambient temperature	11 °C	11 °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: 1RCD 13amp (Mon50) 20amp (Mon75)

Model	Monarch 50	Monarch 75
Voltage	230V	230v
Phase Requirement	1ph/N 50/60 Hz	1ph/N 50/60 Hz
Power Consumption	3kw	4kw
Fuse Rating	13 amp	20 amp

### Option Requirements

- Drying option will require vacuum and auto water dump with a plumbed in drain service.
- Drain requirement of 150°C, 35Ømm copper pipe at floor level

### General Requirements

- †Sodium Chloride must not exceed a level greater than 500 ppm.
- †Use regular mains water only. DO NOT USE distilled or RO water.

### Complying Standards

- Monarch 50: PED Cat 2 Module B+D
- Monarch 75: PED Cat 3 Module B+D  
- Notified Body: British Engineering No. 0040
- Harmonised Standards applied: EMC BS EN 61326
- Community directives applied : Pressure Equipment Directive – PED 2014/68/EU (formerly PED 97/23/EC)
- Designed in accordance with PD5500 (formerly BS5500) & BS2646
- Chamber and Door constructed of stainless steel BS-EN 10028-7:316
- ISO 9001: 2008
- CE Marked

Information is subject to change to suit different options added. This information is correct as of 6th September 2017, E & OE