



Monarch Compact

Specifications for a Monarch 50 & 75 electric model

Design Features

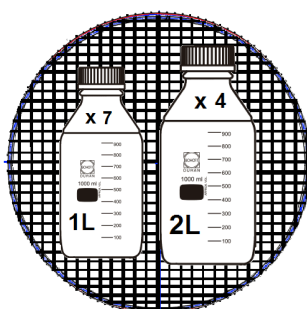
- 50 or 75 litres
- MP25 Controller
- Robust space saving design
- Single phase 'plug & play'
- Counterbalanced lid for easy opening
- Monarch 50 fits underneath a standard bench
- Exceptionally low loading height
- Grade 316 stainless steel chamber
- Excellent loading capacity for up to 3 baskets (75L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

Optional Accessories

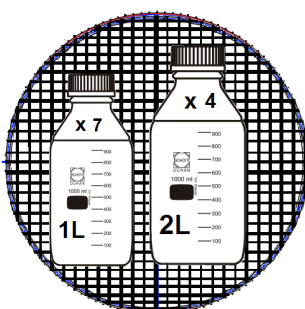
- Additional Loading Baskets
- Waste Discard System
- Fan Assisted High Speed Cooling
- Condense Collector, which eliminates a drain requirement.
- Air removal HEPA filter
- Data logging options (paper & paperless)
- Vacuum option
- Anti Lime scale system

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	21
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

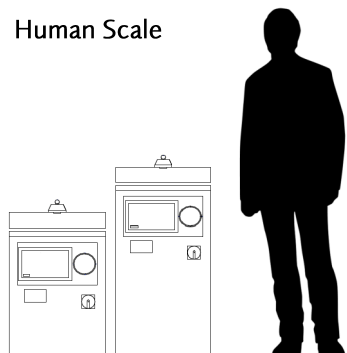


Monarch 75 Bottles per basket

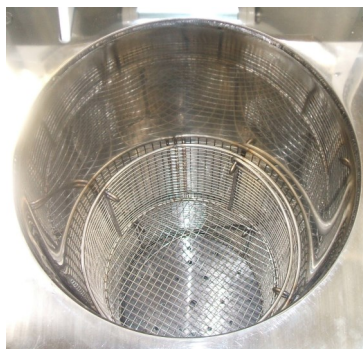
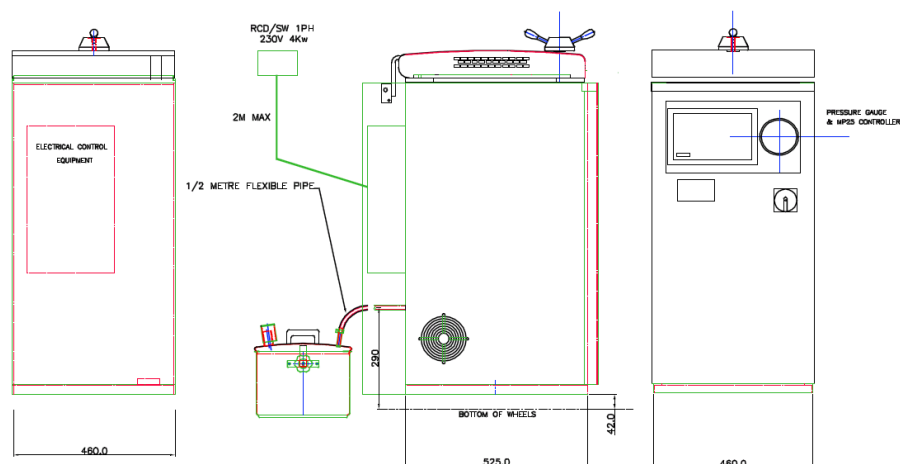
Not to scale



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	3kw
Fuse Rating	13 amp	13 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: 2015
- CE Marked

Information is subject to change to suit different options added. This information is correct as of 3rd December 2020, E & OE