

3.4 Technical data

3.4.1 Rotavapor® R-100

Dimensions (W x H x D)	617 x 898 x 502 mm (inc. condenser and heating bath) 480 x 626 x 502 mm (w/o condenser and heating bath)
Weight	18 – 19 kg (depending on glassware included)
Voltage	24 V DC
Power consumption	30 W
Enclosure rating	IP20
Immersion angle	0 – 35°
Adjustable height	145 mm (+ 115 mm optional extension)
Rotation speed	20 – 280 rpm
Flask size	50 – 4000 mL
Max. flask capacity	3 kg
Approval	CE

3.4.2 Heating bath B-100

Dimensions (W x H x D)	285 x 219 x 326 mm
Weight	3.9 kg
Voltage	100 – 120 V/220 – 240 V
Frequency	50 – 60 Hz
Power consumption	1700 W
Heater output	1300 W
Enclosure rating	IP20
Fuse	T 12.5 A L 250 V (100 – 120 V) T 6.3 A L 250 V (220 – 240 V)
Temperature range	20 – 95 °C
Max. flask size	4000 mL
Adjustment accuracy	± 1 %
Bath capacity	4 L
High temperature cut-out	> 145 °C
Approval	CE

3.4.3 Ambient conditions

Max. altitude above sea level	2000 m
Ambient temperature	5 - 40 °C
Maximum relative humidity	80 % for temperatures up to 31 °C decreasing linearly to 50 % at 40 °C

The laboratory apparatus described here may only be used indoors.

3.4.4 Materials

Component	Material
Rotavapor housing	Anodized aluminium with powder coating
Heating bath housing	PBT, partially glass-fiber reinforced
Heating bath	Stainless steel 1.4404, glass-peened
Safety guard	Polycarbonate
Guard ring (of safety guard)	PBT, partially glass-fiber reinforced
Rotary drive unit	Stainless steel 1.4305
Flange connection to condenser	Aluminium
Seal	NBR, PTFE