

3.4 Technical data

3.4.1 Rotavapor® R-100

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|------------------------|---|
| 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

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|-------------------------------|---|
| 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 |