

Technical datasheet

R Hei-VAP Industrial B



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|---|---|
| Dimensions (W × H × D) | 998 × 2,225 × 694 mm |
| Weight | approx. 120 kg, without glassware |
| Drive | EC motor |
| Speed range | 6 – 160 rpm |
| Heating power | 4,000 W |
| Acoustic pressure | < 85 (dB(A)) (in accordance with IEC 61010) |
| Rated voltage | 3 × 400 V (50/60 Hz) or 1 × 230 V (50/60 Hz) |
| Connection | L1+L2+L3+N+PE or L+N+PE |
| Protection class | I |
| Overvoltage category | II |
| Degree of pollution | 2 |
| Power input | 4,600 W max. |
| Operating temperature | 5 °C – 31 °C at up to 80 % rel. humidity 32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly) |
| Installation altitude | up to 2,000 m asl |
| Stroke flask lift | 180 mm |
| Lifting speed flask lift | 45 mm/s |
| Evaporation rates (L/h) ΔT^* 40 °C (for continuous operation) | Toluene 26.0 Acetone 25.9 Ethanol 12.9 Water 4.7 |
| Maximum cooling surface | 1.2 m ² (depending on glass set) |
| Heating bath | Inner Ø: 397 mm, outer Ø: 400 mm Material: V4A steel (1.4404) X2CrNiMo 17-12-2 Volume: 18 L H 20 / 14 L oil |

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| Temperature range heating bath | 20 – 100 C° H2O / 20 – 180 C° oil |
| Overtemperature protection | integrated, mechanical |
| Overheat protection | n.a. |
| Control | detachable, 7 inch touchpanel, control knobs |
| Control accuracy | ± 1 C° |
| Storage conditions (recommendation) | 5 °C – 31 °C at up to 80 % rel. humidity 32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly) |
| Permissible leakage rate | 1 mbar/min |
| Degree of protection, device | IP20 |
| Control panel degree of protection | IP45 |
| Heating bath temperature control | Microprocessor |
| Required pump capacity | 1,5 – 3 (m3/h) |
| Consumption cooling liquid | 150 – 250 (L/h) |