Hei-VAP Industrial with glassware A
# Technical datasheet



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|---|---|
| **Dimensions (W × H × D)** | 998 × 2,225 × 694 mm, incl. base cart |
| **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/N/PE 230/400V AC 50/60 Hz or 2/PE 230V AC 50/60 Hz |
| **Connection** | |
| **Protection Class** | I |
| **Overvoltage category** | II |
| **Degree of pollution** | 2 |
| **Power input** | max. 4,600 W |
| **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** | max. 2,000 MAMSL |
| **Stroke flask lift** | 180 mm |
| **Lifting speed flask lift** | aprox. 14 mm/s |
| **Evaporation rates (L/h) ΔT* 40 °C (for continuous operation)** | Toluene 26.0 \| Acetone 25.9 \| Ethanol 14.6 \| Water 4.7 |
| **Maximum cooling surface** | 1.6 m2 |
| **Heating bath** | |

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|---|---|
| | inner Ø: 397 mm, outer Ø: 400 mm \| Material: V4A steel (1.4404) X2CrNiMo 17-12-2 \| Volume: 18 L H2O / 14 L oil |
| **Temperature range heating bath** | 20 – 90 C° H2O / 20 – 180 C° oil |
| **Overtemperature protection** | electronically, when setpoint temperature deviates |
| **Overheat protection** | mechanical, shut off at 400 °C |
| **Control** | 7 inch touchpanel, control knob |
| **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** | IP42 |
| **Heating bath temperature control** | Microprocessor |
| **Required pump capacity** | 1,7 – 3 (m3/h) |
| **Consumption cooling liquid** | 20 - 40 L/min |