



## Hei-VAP Industrial B with glassware A

### Technical datasheet

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|---|---|
| <b>Dimensions (W × H × D)</b>   | 998 × 2,225 × 694 mm  |
| <b>Weight</b>   | approx. 120 kg, without glassware   |
| <b>Drive</b>  | EC motor  |
| <b>Speed range</b>  | 6 – 160 rpm   |
| <b>Heating power</b>  | 4,000 W   |
| <b>Acoustic pressure</b>  | < 85 (dB(A)) (in accordance with IEC 61010)   |
| <b>Rated voltage</b>  | 3 × 400 V (50/60 Hz) or 1 × 230 V (50/60 Hz)  |
| <b>Connection</b>   | L1+L2+L3+N+PE or L+N+PE   |
| <b>Protection class</b>   | I   |
| <b>Overvoltage category</b>   | II  |
| <b>Degree of pollution</b>  | 2   |
| <b>Power input</b>  | 4,600 W max.  |
| <b>Operating temperature</b>  | 5 °C – 31 °C at up to 80 % rel. humidity   32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly)      |
| <b>Installation altitude</b>  | up to 2,000 m asl   |
| <b>Stroke flask lift</b>  | 180 mm  |
| <b>Lifting speed flask lift</b>   | 45 mm/s   |
| <b>Evaporation rates (L/h) <math>\Delta T^*</math> 40 °C (for continuous operation)</b> | Toluene 26.0   Acetone 25.9   Ethanol 12.9   Water 4.7  |
| <b>Maximum cooling surface</b>  | 1.2 m <sup>2</sup> (depending on glass set)   |
| <b>Heating bath</b>   | 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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| <b>Temperature range heating bath</b>      | 20 – 100 C° H2O / 20 – 180 C° oil  |
| <b>Overtemperature protection</b>          | integrated, mechanical   |
| <b>Overheat protection</b>                 | n.a.   |
| <b>Control</b>                             | detachable, 7 inch touchpanel, control knobs   |
| <b>Control accuracy</b>                    | ± 1 C°   |
| <b>Storage conditions (recommendation)</b> | 5 °C – 31 °C at up to 80 % rel. humidity   32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly) |
| <b>Permissible leakage rate</b>            | 1 mbar/min   |
| <b>Degree of protection, device</b>        | IP20   |
| <b>Control panel degree of protection</b>  | IP45   |
| <b>Heating bath temperature control</b>    | Microprocessor   |
| <b>Required pump capacity</b>              | 1,5 – 3 (m3/h)   |
| <b>Consumption cooling liquid</b>          | 150 – 250 (L/h)  |