



## Hei-VAP Expert Control Standard

### Technical datasheet

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| <b>Dimensions (W × H × D)</b>   | Variant with motor driven lift & glassware G3: 739 × 887 × 477 mm; Variant with manual lift & glassware G3: 739 × 887 × 532 mm |
| <b>Weight</b>   | approx. 15 kg, without glassware   |
| <b>Drive</b>  | EC motor   |
| <b>Speed range</b>  | 10 – 280 rpm   |
| <b>Heating power</b>  | 1300 W   |
| <b>Acoustic pressure</b>  | < 85 (dB(A)) (in accordance with IEC 61010)  |
| <b>Rated voltage</b>  | 230 V (50/60 Hz) or 115 V (50/60 Hz)   |
| <b>Connection</b>   | L+N+PE   |
| <b>Protection class</b>   | Device IP20; Control panel IP42; Control-Box IP42; Connection cable heating bath IP67; I (IEC 61140)                           |
| <b>Overvoltage category</b>   | II   |
| <b>Degree of pollution</b>  | 2  |
| <b>Power input</b>  | 1,400 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 (linearly reducing)                       |
| <b>Installation altitude</b>  | up to 2,000 m asl  |
| <b>Stroke flask lift</b>  | 155 mm   |
| <b>Lifting speed flask lift</b>   | 55 mm/s  |
| <b>Evaporation rates (L/h) <math>\Delta T^*</math> 40 °C (for continuous operation)</b> | Toluene 8,5   Acetone 5,8   Ethanol 3,5   Water 1,2  |
| <b>Maximum cooling surface</b>  | 0.22 m <sup>2</sup> (depending on glass set)   |

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| <b>Heating bath</b>                        | Inner Ø: 253 mm, outer Ø: 291 mm   Material: V4A steel (1.4404) X2CrNiMo 17-12-2   Volume: 6 l           |
| <b>Temperature range heating bath</b>      | 20 – 100 C° H2O / 20 – 210 C° oil  |
| <b>Overtemperature protection</b>          | Cut-off at 5 °C deviation from the set temperature   |
| <b>Overheat protection</b>                 | Threshold value 250 °C   |
| <b>Control</b>                             | electronic   |
| <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 (linearly reducing) |