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# Hei-VAP Ultimate Control - hand lift model with G3 vertical glassware
# **Technical datasheet**



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|---|---|
| **Dimensions (W × H × D)** | Variant with motor driven lift & glassware G3: 739 × 887 × 477 mm; Variant with manual lift & glassware G3: 739 × 887 × 532 mm |
| **Weight** | 15 kg |
| **Drive** | EC motor |
| **Speed range** | 10 – 280 rpm |
| **Heating power** | 1300 W |
| **Acoustic Pressure** | < 85 (dB(A)) (in accordance with IEC 61010) |
| **Rated Voltage** | 1/N/PE 115/230 V AC 50/60 Hz |
| **Connection** | |
| **Protection Class** | Device IP20; Control panel IP42; Control-Box IP42; Connection cable heating bath IP67; I (IEC 61140) |
| **Overvoltage Category** | 2 |
| **Degree of Pollution** | 2 |
| **Power input** | max. 1400 W |
| **Operating temperature** | 5 °C – 31 °C at up to 80 % rel. humidity \| 32 °C – 40 °C at up to 50 % rel. humidity (linearly reducing) |
| **Installation Altitude** | up to 2,000 m AMSL |
| **Stroke flask lift** | 155 mm |
| **Lifting speed flask lift** | 25 mm/s |
| **Evaporation rates (L/h) ΔT* 40 °C (for continuous operation)** | Toluene 8.5 \| Acetone 5.8 \| Ethanol 3.5 \| Water 1.2 |
| **Maximum cooling surface** | 0.22 m2 |

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|---|---|
| **Heating bath** | Inner Ø: 253 mm \| Material: V4A (1.4404) X2CrNiMo 17-12-2 \| Volume: 4.5 l |
| **Temperature range heating bath** | 20 – 90 C° H2O / 20 – 210 C° oil |
| **Overtemperature protection** | electronic protection |
| **Overheat protection** | mechanical protection |
| **Control** | |
| **Control accuracy** | |
| **Storage conditions (recommendation)** | 5 °C – 31 °C at up to 80 % rel. humidity \| 32 °C – 40 °C at up to 50 % rel. humidity (linearly reducing) |