heidolph
research made easy

# Hei-VAP Expert Control - modelo con elevador motorizado y juego de vidrio G3 vertical
# **Technical datasheet**

| | |
|---|---|
| **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** | approx. 15 kg, without glassware |
| **Drive** | EC motor |
| **Speed range** | 10 – 280 rpm |
| **Heating power** | 1300 W |
| **Acoustic pressure** | < 85 (dB(A)) (in accordance with IEC 61010) |
| **Rated voltage** | 230 V (50/60 Hz) or 115 V (50/60 Hz) |
| **Connection** | L+N+PE |
| **Protection Class** | Device IP20; Control panel IP42; Control-Box IP42; Connection cable heating bath IP67; I (IEC 61140) |
| **Overvoltage category** | II |
| **Degree of pollution** | 2 |
| **Power input** | 1,400 W max. |
| **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 asl |
| **Stroke flask lift** | 155 mm |
| **Lifting speed flask lift** | 55 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 (depending on glass set) |

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