

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

## Technical datasheet



<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)

<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)