

Hei-VAP Expert Control Standard

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 m ² (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 H ₂ O / 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)