heidolph
research made easy

Hei-VAP Expert - G3
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	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

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)