heidolph
research made easy

Hei-VAP Core - motor lift model with G3 XL vertical glassware
Technical datasheet



Dimensions (W × H × D)	Variant with motor driven lift & glassware G3: 739 × 845 × 432 mm; Variant with manual lift & glassware G3: 739 × 845 × 487 mm
Weight	max. 15 kg
Drive	EC motor
Speed range	10 – 280 rpm
Heating power	1300 W
Acoustic Pressure	< 85 dB(A) (based on IEC 61010)
Rated Voltage	1/N/PE 115/230 V AC 50/60 Hz
Connection	
Protection Class	Device: IP 20 | Cable heating bath: IP 67
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)	Toluol 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 H2O / 20 - 210 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)