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Technical datasheet

A Hei-VAP Industrial B



Dimensions (W × H × D)	998 × 2,225 × 694 mm
Weight	approx. 120 kg, without glassware
Drive	EC motor
Speed range	6 – 160 rpm
Heating power	4,000 W
Acoustic pressure	< 85 (dB(A)) (in accordance with IEC 61010)
Rated voltage	3 × 400 V (50/60 Hz) or 1 × 230 V (50/60 Hz)
Connection	L1+L2+L3+N+PE or L+N+PE
Protection Class	I
Overvoltage category	II
Degree of pollution	2
Power input	4,600 W max.
Operating temperature	5 °C – 31 °C at up to 80 % rel. humidity | 32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly)
Installation altitude	up to 2,000 m asl
Stroke flask lift	180 mm
Lifting speed flask lift	45 mm/s
Evaporation rates (L/h) ΔT* 40 °C (for continuous operation)	Toluene 26.0 | Acetone 25.9 | Ethanol 12.9 | Water 4.7
Maximum cooling surface	1.2 m2 (depending on glass set)
Heating bath	Inner Ø: 397 mm, outer Ø: 400 mm | Material: V4A steel (1.4404) X2CrNiMo 17-12-2 | Volume: 18 L H 2O / 14 L oil

Temperature range heating bath	20 – 100 C° H2O / 20 – 180 C° oil
Overtemperature protection	integrated, mechanical
Overheat protection	n.a.
Control	detachable, 7 inch touchpanel, control knobs
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 (decreasing linearly)
Permissible leakage rate	1 mbar/min
Degree of protection, device	IP20
Control panel degree of protection	IP45
Heating bath temperature control	Microprocessor
Required pump capacity	1,5 – 3 (m3/h)
Consumption cooling liquid	150 – 250 (L/h)