Technical datasheet

R Hei-VAP Industrial



Dimensions (W × H × D)	998 × 2,225 × 694 mm, incl. base cart
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/N/PE 230/400V AC 50/60 Hz or 2/PE 230V AC 50/60 Hz
Connection	
Protection Class	I
Overvoltage Category	II
Degree of Pollution	2
Power input	max. 4,600 W
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	max. 2,000 MAMSL
Stroke flask lift	180 mm
Lifting speed flask lift	aprox. 14 mm/s
Evaporation rates (L/h) ΔT* 40 °C (for continuous operation)	Toluene 26.0 | Acetone 25.9 | Ethanol 14.6 | Water 4.7
Maximum cooling surface	1.6 m2
Heating bath	

	inner Ø: 397 mm, outer Ø: 400 mm | Material: V4A steel (1.4404) X2CrNiMo 17-12-2 | Volume: 18 L H2O / 14 L oil
Temperature range heating bath	20 – 90 C° H2O / 20 – 180 C° oil
Overtemperature protection	electronically, when setpoint temperature deviates
Overheat protection	mechanical, shut off at 400 °C
Control	7 inch touchpanel, control knob
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	IP42
Heating bath temperature control	Microprocessor
Required pump capacity	1,7 – 3 (m3/h)
Consumption cooling liquid	20 - 40 L/min