



## Hei-VAP Industrial B with glassware R

### Technical datasheet

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) $\Delta T^*$ 40 °C (for continuous operation)	Toluene 26.0   Acetone 25.9   Ethanol 12.9   Water 4.7
Maximum cooling surface	1.2 m <sup>2</sup> (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 20 / 14 L oil

<b>Temperature range heating bath</b>	20 – 100 C° H2O / 20 – 180 C° oil
<b>Overtemperature protection</b>	integrated, mechanical
<b>Overheat protection</b>	n.a.
<b>Control</b>	detachable, 7 inch touchpanel, control knobs
<b>Control accuracy</b>	± 1 C°
<b>Storage conditions (recommendation)</b>	5 °C – 31 °C at up to 80 % rel. humidity   32 °C – 40 °C at up to 50 % rel. humidity (decreasing linearly)
<b>Permissible leakage rate</b>	1 mbar/min
<b>Degree of protection, device</b>	IP20
<b>Control panel degree of protection</b>	IP45
<b>Heating bath temperature control</b>	Microprocessor
<b>Required pump capacity</b>	1,5 – 3 (m3/h)
<b>Consumption cooling liquid</b>	150 – 250 (L/h)