

EVAPORATION



Hei-VAP Industrial

THE LARGE SCALE ROTARY EVAPORATOR



CE Certified



Energy Efficiency



Safety



Sustainability



6 to 20 liter flask volume



MADE IN GERMANY

3-year warranty on all devices and an operational lifespan of more than 10 years

Increase efficiency through greater safety

Vacuum-tight system - IQ-OQ certification possible

Stainless steel guard hood with safety glass - 8% more efficiency

All components in contact with solvents are made from FDA-compliant materials

High level of user-friendliness

All parameters at a glance on the 7" touch display

Quick (Easy Lock) and easy handling (Flask Support) of the evaporator flask by just 1 person

Interior lighting of the guard hood for better monitoring of the process

Concealed heating coil and bottom drain valve for easy cleaning of the heating bath

Constant conditions thanks to automation

Automatic vacuum control through AutoAccurate function

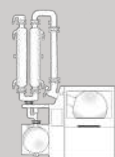
Ramp mode for greater precision and reproducibility

Recording and exporting of all process data possible

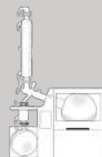
More flexibility level sensor in the heating bath, automatic water replenishment

For more information visit [our website](#)

RECOMMENDED ACCESSORIES



Glassware A1 for higher performance distillation



Glassware R for high boiler distillation



Hei-VAC Valve Industrial



Hei-VOLUME Distimatic Pro for volumes up to 1,000 liter and more



Base Cart Chiller 5000



Hei-VAP Industrial with glassware A

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) ΔT^* 40 °C (for continuous operation)	Toluene 26.0 Acetone 25.9 Ethanol 12.9 Water 4.7
Maximum cooling surface	1.2 m ² (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

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 (m ³ /h)
Consumption cooling liquid	150 – 250 (L/h)