Hei-VAP Industrial



- Excellent user safety with high-impact transparent PMMA door
- Non-fogging safety glass and metal frame guard hood provides excellent user protection
- The evaporation flask is illuminated during operation for increased visibility
- Universal heating bath accommodates water or other bath fluids allowing for temperature settings up to 180 °C
- Receiver cassettes and additional PMMA door housing protect against threat of glassware breakage
- Comes as standard with integrated refill water system, spillover prevention and a release valve at the bottom
- Optional Base Cart is fully-maneuverable with removable panels for storage of vacuum pump, glassware, solvents or accessories
- Certification according to GMP available for this model: validation for installation (IQ) and operating qualification (OQ)
- Large touch screen control panel with illuminated displays for all process parameters, programmable ramps

Hei-VAP Industrial - Technical Data

Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity Protection class DIN EN 60529 IP 20 Lift motor lift Height adjustment speed 45 mm/s Height adjustment 180 mm Drive EC-motor Heating capacity 4,000 W Temp. range heating bath 20 - 180 °C Bath temperature setting digital Material heating bath stainless steel V4A Diameter heating bath 400 mm Volume heating bath 18 I (H2O) / 14 I (oil) Display vapor temperature yes Required accessories for display vapor temperature Integrated vacuum controller yes Timer yes Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7* Touchpanel Rotation speed range 8 - 160 rpm	Rotation speed indicator	digital
Lift motor lift Height adjustment speed 45 mm/s Height adjustment 180 mm Drive EC-motor Heating capacity 4,000 W Temp. range heating bath 20 – 180 °C Bath temperature setting digital Material heating bath stainless steel V4A Diameter heating bath 400 mm Volume heating bath 18 I (H2O) / 14 I (oii) Display vapor temperature yes Required accessories for display vapor temperature Integrated vacuum controller yes Vacuum program SET pressure yes Vacuum program AUTO accurate requires AUTO accurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Permissible ambient conditions	32 - 40 °C decreasing lineary up to max 50%
Height adjustment speed 45 mm/s Height adjustment 180 mm Drive EC-motor Heating capacity 4,000 W Temp. range heating bath 20 – 180 °C Bath temperature setting digital Material heating bath stainless steel V4A Diameter heating bath 400 mm Volume heating bath 18 I (H2O) / 14 I (oil) Display vapor temperature yes Required accessories for display vapor temperature lintegrated vacuum controller yes Vacuum program SET pressure yes Vacuum program AUTO accurate requires AUTO accurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Protection class DIN EN 60529	IP 20
Height adjustment Drive EC-motor Heating capacity 4,000 W Temp. range heating bath 20 – 180 °C Bath temperature setting Material heating bath biameter heating bath Volume heating bath Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Integrated vacuum controller Vacuum program SETpressure Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps Supply Power 4,600 W Weight without glassware assembly Display 7" Touchpanel	Lift	motor lift
Drive EC-motor Heating capacity 4,000 W Temp. range heating bath 20 – 180 °C Bath temperature setting digital Material heating bath stainless steel V4A Diameter heating bath 400 mm Volume heating bath 18 I (H2O) / 14 I (oil) Display vapor temperature yes Required accessories for display vapor temperature lintegrated vacuum controller yes Timer yes Vacuum program SET pressure yes Vacuum program AUTO accurate requires AUTO accurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Height adjustment speed	45 mm/s
Heating capacity 4,000 W Temp. range heating bath 20 – 180 °C Bath temperature setting digital Material heating bath stainless steel V4A Diameter heating bath 400 mm Volume heating bath 18 I (H2O) / 14 I (oil) Display vapor temperature yes Required accessories for display vapor temperature lintegrated vacuum controller yes Timer yes Vacuum program SETpressure yes Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Height adjustment	180 mm
Temp. range heating bath 20 – 180 °C Bath temperature setting digital Material heating bath stainless steel V4A Diameter heating bath 400 mm Volume heating bath 18 I (H2O) / 14 I (oil) Display vapor temperature yes Required accessories for display vapor temperature lintegrated vacuum controller yes Timer yes Vacuum program SETpressure yes Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Drive	EC-motor
Bath temperature setting digital Material heating bath stainless steel V4A Diameter heating bath 400 mm Volume heating bath 18 l (H2O) / 14 l (oil) Display vapor temperature yes Required accessories for display vapor temperature lintegrated vacuum controller yes Timer yes Vacuum program SETpressure yes Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Heating capacity	4,000 W
Material heating bath Diameter heating bath Volume heating bath Volume heating bath 18 I (H2O) / 14 I (oil) Display vapor temperature Required accessories for display vapor temperature sensor Integrated vacuum controller Vacuum program SETpressure Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps Supply Power 4,600 W Weight without glassware assembly Display 7" Touchpanel	Temp. range heating bath	20 - 180 °C
Diameter heating bath 400 mm Volume heating bath 18 I (H2O) / 14 I (oil) Display vapor temperature yes Required accessories for display vapor temperature sensor Integrated vacuum controller yes Timer yes Vacuum program SETpressure yes Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Bath temperature setting	digital
Volume heating bath 18 I (H2O) / 14 I (oil) Display vapor temperature Required accessories for display vapor temperature sensor Integrated vacuum controller yes Timer yes Vacuum program SETpressure Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly Display 7" Touchpanel	Material heating bath	stainless steel V4A
Display vapor temperature yes Required accessories for display vapor temperature Integrated vacuum controller yes Timer yes Vacuum program SETpressure yes Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Diameter heating bath	400 mm
Required accessories for display vapor temperature Integrated vacuum controller yes Timer yes Vacuum program SETpressure Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps Supply Power 4,600 W Weight without glassware assembly Display temperature sensor yes temperature sensor yes 4,600 W temperature sensor	Volume heating bath	18 l (H2O) / 14 l (oil)
Integrated vacuum controller yes Timer yes Vacuum program SETpressure yes Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Display vapor temperature	yes
Timer yes Vacuum program SETpressure yes Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel		temperature sensor
Vacuum program SETpressure Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Integrated vacuum controller	yes
Vacuum program AUTOaccurate requires AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Timer	yes
AUTOaccurate sensor Programmable ramps yes Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Vacuum program SETpressure	yes
Supply Power 4,600 W Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	· · · · · · · · · · · · · · · · · · ·	yes
Weight without glassware assembly approx. 120 kg Display 7" Touchpanel	Programmable ramps	yes
Display 7" Touchpanel	Supply Power	4,600 W
	Weight without glassware assembly	approx. 120 kg
Rotation speed range 6 – 160 rpm	Display	7" Touchpanel
	Rotation speed range	6 – 160 rpm

Premium Laboratory Equipment

Temperature accuracy	±1 °C
Overheat cut-off protection	yes
Automatic heating bath control	micro processor
Level regulation of water bath	automatically due to level sensor and refill function
Indicating range vapor temperature sensor	0 - 200 °C (accuracy 0.1 °C)
Dimensions (w/d/h)	970 x 690 x 1600 mm
Max. condensing surface	1.2 m²