Hei-VAP Ultimate



Precise setting of rotation speed and heating bath temperature on the digital touch display or – for quick access during an active process – directly via the knobs on the operating panel.

- Central operating panel with 7" touch display
- Clear display of all values (Basic and Advanced modes)
- With timer, limitation of max. temperature, multilingual menu and text display for error messages
- Separate knobs for rotation and heating with locking function to prevent accidental readjusting
- LED ring lights and pictogram to display the activity even from a distance
- Integrated solvent library to facilitate adjustment of the required vacuum on an external vacuum controller
- USB and Micro SD plus LAN / RS 232 interfaces (Lab 4.0 ready)
- Optional display of vapor temperature
- Subsequent upgrade to Hei-VAP Ultimate Control possible, including vacuum and chiller control

Hei-VAP Ultimate - Technical Data

Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity Protection class IEC 60529 Lift Hand lift or Motor lift Height adjustment speed Hand lift models: manual Motor lift models: 25 mm/s Height adjustment 155 mm Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1 °C Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7' LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel V4A Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller - Timer Yes Programmable ramps Yes Supply Power 1,400 W	Rotation speed indicator	7" LCD color graphic display
Lift Hand lift or Motor lift Height adjustment speed Hand lift models: manual Motor lift models: 25 mm/s Height adjustment 155 mm Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1°C Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7° LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel V4A Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller - Timer Yes Programmable ramps Yes	Permissible ambient conditions	32 – 40 °C decreasing lineary up to max 50%
Height adjustment speed Hand lift models: manual Motor lift models: 25 mm/s Height adjustment 155 mm Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1°C Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath biameter heating bath 255 mm Volume heating bath 4.51 Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes	Protection class IEC 60529	IP 20
Height adjustment Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1°C Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7° LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath tolume heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes	Lift	Hand lift or Motor lift
Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1°C Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel V4A Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller - Timer Yes Programmable ramps Yes	Height adjustment speed	
Control Heating capacity Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1°C Overheat protection bath Cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting T" LCD color graphic display Heating bath temperature control Secondary overtemp. cut off 250 °C Material heating bath Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes	Height adjustment	155 mm
Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1°C Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel V4A Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature lintegrated vacuum controller - Timer Yes Programmable ramps Yes	Drive	•
Temperature accuracy bath ±1°C Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7° LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel V4A Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller - Timer Yes Programmable ramps Yes	Heating capacity	1,300 W
Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel V4A Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller - Timer Yes Programmable ramps Yes	Temp. range heating bath	20 - 210 °C
separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel V4A Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller - Timer Yes Programmable ramps Yes	Temperature accuracy bath	±1°C
Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel V4A Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller - Timer Yes Programmable ramps Yes	Overheat protection bath	·
Secondary overtemp. cut off 250 °C Material heating bath Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes	Bath temperature setting	7" LCD color graphic display
Material heating bath Diameter heating bath Volume heating bath Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Stainless steel V4A 255 mm Vasor 4.5 I Vapor temperature sensor Vapor temperature sensor Yes Yes	Heating bath temperature control	electronic / digital
Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes	Secondary overtemp. cut off	250 °C
Volume heating bath Display vapor temperature Required accessories for display vapor temperature sensor Integrated vacuum controller Timer Programmable ramps 4.5 I Yes Yes Yapor temperature sensor	Material heating bath	stainless steel V4A
Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Yes	Diameter heating bath	255 mm
Required accessories for display vapor temperature sensor Integrated vacuum controller Timer Yes Programmable ramps Yapor temperature sensor - Yes	Volume heating bath	4.5 l
Integrated vacuum controller - Timer Yes Programmable ramps Yes	Display vapor temperature	Yes
Timer Yes Programmable ramps Yes	· · · · · · · · · · · · · · · · · · ·	Vapor temperature sensor
Programmable ramps Yes	Integrated vacuum controller	-
	Timer	Yes
Supply Power 1,400 W	Programmable ramps	Yes
	Supply Power	1,400 W

Premium Laboratory Equipment

Weight without glassware assembly	15 kg
Dimensions with glassware set G3 (w/d/h)	HL: 739 x 532 x 887 mm ML: 739 x 477 x 887 mm
Dimensions with glassware set G3 XL (w/d/h)	HL: 739 x 532 x 920 mm ML: 739 x 477 x 920 mm
Condensing surface	1,400 cm ²
Condensing surface XL condenser	2,200 cm²
Max. size evaporating flask	5
Rotation speed range	10 - 280 rpm
Integrated Hei-CHILL controller	-
Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor	_
Solvent libary	Yes