Hei-VAP Ultimate - hand lift model with coated G3 XL vertical glassware  $_{\text{P/N: 036041047}}$ 



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
- Hand lift model with transparent plastic coated G3 XL vertical glassware achieve higher evaporation rates due to expanded cooling surface of 2,200 cm<sup>2</sup>
- 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 conditions5 – 31 °C at 80 % rel. humidity 32 – 40 °C decreasing lineary up to max 50% rel. humidityProtection class DIN EN 60529IP 20LiftHand liftHeight adjustment speedmanualHeight adjustment speedbrushless DC motor with electronic speed controlDrivebrushless DC motor with electronic speed controlHeating capacity1,300 WTemp. range heating bath20 – 210 °CTemperature accuracy bath±1KOverheat protection bathcut-off at 5 °C over set temperature via separate PT 1000Bath temperature setting7' LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off255 mmVolume heating bath255 mmVolume heating bath4.51Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensor temperatureIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 WWeight without glassware assembly15 kg	Rotation speed indicator	7" LCD color graphic display
LiftHand liftHeight adjustment speedmanualHeight adjustment155 mmDrivebrushless DC motor with electronic speed controlHeating capacity1,300 WTemp. range heating bath20 - 210 °CTemperature accuracy bath±1KOverheat protection bathcut-off at 5 °C over set temperature via separate PT 1000Bath temperature setting7' LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bath255 mmVolume heating bath255 mmVolume heating bathVagor temperature sensorRequired accessories for display vapor temperatureVagor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W	Permissible ambient conditions	32 – 40 °C decreasing lineary up to max 50%
Height adjustment speedmanualHeight adjustment155 mmDrivebrushless DC motor with electronic speed controlHeating capacity1,300 WTemp. range heating bath20 - 210 °CTemperature accuracy bath±1KOverheat protection bathcut-off at 5 °C over set temperature via separate PT 1000Bath temperature setting7" LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bath255 mmVolume heating bath4.51Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensor temperatureIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W	Protection class DIN EN 60529	IP 20
Height adjustment155 mmDrivebrushless DC motor with electronic speed controlHeating capacity1,300 WTemp. range heating bath20 - 210 °CTemperature accuracy bath±1KOverheat protection bathcut-off at 5 °C over set temperature via separate PT 1000Bath temperature setting7' LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bath255 mmVolume heating bath4.51Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensor temperatureIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W	Lift	Hand lift
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temperatureIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W	Display vapor temperature	Yes
TimerYesProgrammable rampsYesSupply Power1,400 W		Vapor temperature sensor
Programmable ramps Yes   Supply Power 1,400 W	Integrated vacuum controller	-
Supply Power 1,400 W	Timer	Yes
	Programmable ramps	Yes
Weight without glassware assembly 15 kg	Supply Power	1,400 W
	Weight without glassware assembly	15 kg

Dimensions with glassware set G3 (w/d/h)	739 x 532 x 887 mm
Dimensions with glassware set G3 XL (w/d/h)	739 x 532 x 920 mm
Condensing surface	1,400 cm <sup>2</sup>
Condensing surface XL condenser	2,200 cm <sup>2</sup>
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