Hei-VAP Expert - motor lift model with coated G1 diagonal glassware  $_{\text{P/N: 036041015}}$ 



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 5" touch display
- Motor lift model with transparent plastic coated G1 diagonal glassware
- 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 interfaces
- Optional display of vapor temperature
- Subsequent upgrade to Hei-VAP Expert Control possible, including vacuum and chiller control

## Hei-VAP Expert - Technical Data

Permissible ambient conditions5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidityProtection class (EN 60529)IP 20LiftMotor liftHeight adjustment speed25 mm/sHeight adjustment speed155 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 setting5' LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bath255 mmVolume heating bath255 mmVolume heating bathUp to 6 liter (2.2 to 4.5 liter recommended filling volume, depending on the flask size and immersion angle used)Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensor temperatureIntegrated vacuum controller-TimerYes	Rotation speed indicator	5" LCD color graphic display
LiftMotor liftHeight adjustment speed25 mm/sHeight adjustment155 mmDrivebrushless DC motor with electronic speed controlDrive1,300 WHeating 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 setting5" LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bath255 mmVolume heating bathUp to 6 liter (2.2 to 4.5 liter recommended filling volume, depending on the flask size and immersion angle used)Display vapor temperatureYesRequired accessories for display vapor temperatureYapor temperature sensorIntegrated vacuum controller-TimerYes	Permissible ambient conditions	32 – 40 °C decreasing lineary up to max 50%
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IdentifycontrolHeating 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 setting5° LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bath255 mmVolume heating bathUp to 6 liter (2.2 to 4.5 liter recommended filling volume, depending on the flask size and filling v	Height adjustment	155 mm
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Temperature accuracy bath±1KOverheat protection bathcut-off at 5 °C over set temperature via separate PT 1000Bath temperature setting5" LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bathstainless steel V4ADiameter heating bathUp to 6 liter (2.2 to 4.5 liter recommended filling volume, depending on the flask size and immersion angle used)Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYes	Heating capacity	1,300 W
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Heating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bathstainless steel V4ADiameter heating bath255 mmVolume heating bathUp to 6 liter (2.2 to 4.5 liter recommended filling volume, depending on the flask size and immersion angle used)Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYes	Overheat protection bath	
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Material heating bathstainless steel V4ADiameter heating bath255 mmVolume heating bathUp to 6 liter (2.2 to 4.5 liter recommended filling volume, depending on the flask size and immersion angle used)Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYes	Heating bath temperature control	electronic / digital
Diameter heating bath255 mmVolume heating bathUp to 6 liter (2.2 to 4.5 liter recommended filling volume, depending on the flask size and immersion angle used)Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYes	Secondary overtemp. cut off	250 °C
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filling volume, depending on the flask size and immersion angle used)Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYes	Diameter heating bath	255 mm
Required accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYes	Volume heating bath	filling volume, depending on the flask size and
temperature   Integrated vacuum controller   Timer   Yes	Display vapor temperature	Yes
Timer Yes		Vapor temperature sensor
	Integrated vacuum controller	-
Programmable ramps Yes	Timer	Yes
	Programmable ramps	Yes

Supply Power	1,400 W
Weight without glassware assembly	15 kg
Dimensions with glassware set G3 (w/d/h)	739 x 477 x 887 mm
Dimensions with glassware set G3 XL (w/d/h)	739 x 477 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	51
Rotation speed range	10 - 280 rpm
Integrated Hei-CHILL controller	-
Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor	-
Solvent libary	Yes