## Hei-VAP Expert - motor lift model with G6 vertical glassware P/N: 574-01600-00



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 G6 vertical glassware for reflux distillation
- 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 speed20 mmDrivebrushless DC motor with electronic speed controlHeating capacityNMMM 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 offNMM mmVolume heating bathNM 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 temperatureProgrammable rampsYes	Rotation speed indicator	5" LCD color graphic display
LiftMotor liftHeight adjustment speed25 mm/sHeight adjustment088 mmDrivebrushless DC motor with electronic speed controlDrive00 - 210 °CHeating capacity20 - 210 °CTempe 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 off088 mmVolume heating bath026 mmVolume heating bath026 mmUp 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	Permissible ambient conditions	32 – 40 °C decreasing lineary up to max 50%
Height adjustment speed25 mm/sHeight adjustmentMRM mmDrivebrushless DC motor with electronic speed controlHeating capacityMRMMTemp. 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 offMRM mmVolume heating bathVD 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	Protection class (EN 60529)	IP 20
Height adjustmentDill mmDrivebrushless DC motor with electronic speed controlHeating capacityDILLENTemp. 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 offDILL mmDiameter heating bathStainless steel V4ADiameter heating bathDILL 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	Lift	Motor lift
Drivebrushless DC motor with electronic speed controlHeating capacityMRRRR 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 offMRR °CMaterial heating bathMRR 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 temperature-Integrated vacuum controller-TimerYes	Height adjustment speed	25 mm/s
IdentifycontrolHeating capacityNNNN 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 offNNN °CMaterial heating bathNNN 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 sensor temperatureIntegrated vacuum controller-TimerYes	Height adjustment	III mm
Temp. 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 offNNN °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 sensor temperatureIntegrated vacuum controller-TimerYes	Drive	•
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actionseparate PT 1000Bath temperature setting5" LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut offNNN °CMaterial heating bathstainless steel V4ADiameter heating bathNNN 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	Temperature accuracy bath	±1K
Heating bath temperature controlelectronic / digitalSecondary overtemp. cut offININ °CMaterial heating bathstainless steel V4ADiameter heating bathININ 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	
Secondary overtemp. cut offIMM °CMaterial heating bathstainless steel V4ADiameter heating bathIMM 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	Bath temperature setting	5" LCD color graphic display
Material heating bathstainless steel V4ADiameter heating bathIMM 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 bathMMMVolume 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	°C ⊠⊠S°
Volume 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	Material heating bath	stainless steel V4A
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	III 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	$\square \square \square \square \square \square \blacksquare$ 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	
Condensing surface XL condenser	
Max. size evaporating flask	ØI
Rotation speed range	10 - 280 rpm
Integrated Hei-CHILL controller	-
Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor	-
Solvent libary	Yes