Hei-VAP Ultimate - motor lift model with coated G6 vertical glassware  $_{\text{P/N:}\ 576\text{-}01610\text{-}00}$ 



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 7" touch display
- Motor lift model with transparent plastic coated 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 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 20LiftMotor liftHeight adjustment speed25 mm/sHeight 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 bath250 °CMaterial heating bath255 mmVolume heating bath255 mmVolume heating bath255 mmVolume heating bath4.51Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesSupply Power1,400 WWeight without glassware assembly15 kg	Rotation speed indicator	7" LCD color graphic display
LiftMotor liftHeight adjustment speed25 mm/sHeight 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	Permissible ambient conditions	32 – 40 °C decreasing lineary up to max 50%
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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 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	5
Rotation speed range	10 - 280 rpm
Integrated Hei-CHILL controller	-
Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor	_
Solvent libary	Yes