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% |
| Height 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 | 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 | Motor lift |
| Drivebrushless 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 bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.51Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensor temperatureIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Height adjustment speed | 25 mm/s |
| 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 bathYesRequired accessories for display vaporVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Height adjustment | 155 mm |
| Temp. 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 bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.5 1Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensor temperatureIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Drive | • |
| Temperature 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 bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.5 1Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Heating capacity | 1,300 W |
| Overheat 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 bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.5 1Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Temp. range heating bath | 20 – 210 °C |
| separate PT 1000Bath temperature setting7" LCD color graphic displayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.5 IDisplay vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Temperature accuracy bath | ±1K |
| Heating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.5 IDisplay vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Overheat protection bath | |
| Secondary overtemp. cut off250 °CMaterial heating bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.5 IDisplay vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Bath temperature setting | 7" LCD color graphic display |
| Material heating bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.5 lDisplay vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Heating bath temperature control | electronic / digital |
| Diameter heating bath255 mmVolume heating bath4.5 lDisplay vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Secondary overtemp. cut off | 250 °C |
| Volume heating bath4.5 lDisplay vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Material heating bath | stainless steel AISI 316L |
| Display vapor temperatureYesRequired accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Diameter heating bath | 255 mm |
| Required accessories for display vapor temperatureVapor temperature sensorIntegrated vacuum controller-TimerYesProgrammable rampsYesSupply Power1,400 W | Volume heating bath | 4.5 l |
| 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 ² |
| Condensing surface XL condenser | 2,200 cm ² |
| 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 |