Hei-VAP Ultimate Control - motor lift model with G3 vertical glassware P/N: 576-02300-00



Adds numerous smart features to the Hei-VAP Ultimate, as well as an overview of all parameters and the current process

- 7" touch display for controlling the entire system including the vacuum and the cooling temperature
- Motor lift model with G3 vertical glassware
- For precise monitoring, the pictogram on the display also symbolizes active functions
- Separate knobs for quick access: the right one for direct vacuum control, the left one for the rotation
- Setting of values either via the touch display or the separate quick access knobs
- Direct access to two favorites on the start screen
- Expandable solvent library. You can also transfer your own favorites to other devices using a USB stick
- Define and save own evaporation processes (ramps)
- Automatically evaporate with the Dynamic AUTOaccurate Program (DAA). Convenient and customizable: from foam avoidance to highly efficient evaporation
- USB and Micro SD plus LAN / RS 232 interfaces (Lab 4.0 ready)

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Hei-VAP Ultimate Control - Technical Data

| Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity Protection class DIN EN 60529 IP 20 Lift Motor lift Height adjustment speed 25 mm/s Height adjustment Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W Weight without glassware assembly 15 kg | Rotation speed indicator | 7" LCD color graphic display |
|---|-----------------------------------|---|
| Lift Motor lift Height adjustment speed 25 mm/s Height adjustment 155 mm Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7° LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 2.55 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Permissible ambient conditions | 32 – 40 °C decreasing lineary up to max 50% |
| Height adjustment speed Height adjustment Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath biameter heating bath 255 mm Volume heating bath 4.51 Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W | Protection class DIN EN 60529 | IP 20 |
| Height adjustment Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath £1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath Volume heating bath 4.51 Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W | Lift | Motor lift |
| Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W | Height adjustment speed | 25 mm/s |
| Heating capacity Temp. range heating bath 20 – 210 °C Temperature accuracy bath £1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath biameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W | Height adjustment | 155 mm |
| Temp. range heating bath 20 – 210 °C Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature lntegrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Drive | · |
| Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7° LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature lntegrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Heating capacity | 1,300 W |
| Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Temp. range heating bath | 20 - 210 °C |
| Separate PT 1000 Bath temperature setting 7" LCD color graphic display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Temperature accuracy bath | ±1K |
| Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Overheat protection bath | |
| Secondary overtemp. cut off 250 °C Material heating bath Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power 1,400 W | Bath temperature setting | 7" LCD color graphic display |
| Material heating bath Diameter heating bath Volume heating bath Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Programmable ramps Yes Supply Power Stainless steel AISI 316L 255 mm Vapor temperature Ves Vapor temperature sensor Vapor temperature sensor Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Heating bath temperature control | electronic / digital |
| Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 255 mm 4.5 I Vapor temperature sensor Vapor temperature sensor Yes 1,400 W | Secondary overtemp. cut off | 250 °C |
| Volume heating bath Display vapor temperature Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 4.5 I Yes Vapor temperature sensor Vapor temperature sensor Yes 1,400 W | Material heating bath | stainless steel AISI 316L |
| Display vapor temperature Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Timer Yes Programmable ramps Yes 1,400 W | Diameter heating bath | 255 mm |
| Required accessories for display vapor temperature sensor Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Volume heating bath | 4.5 |
| Integrated vacuum controller Yes Timer Yes Programmable ramps Yes Supply Power 1,400 W | Display vapor temperature | Yes |
| Timer Yes Programmable ramps Yes Supply Power 1,400 W | | Vapor temperature sensor |
| Programmable ramps Yes Supply Power 1,400 W | Integrated vacuum controller | Yes |
| 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 |

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| 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 cm² |
| Max. size evaporating flask | 51 |
| Rotation speed range | 10 - 280 rpm |
| Integrated Hei-CHILL controller | Yes |
| Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor | Yes |
| Solvent libary | Yes |