## Hei-VAP Ultimate Control - motor lift model with G5 dry ice condenser P/N: 036041073



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 G5 dry ice condenser
- 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)

## 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  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 V4A  Diameter heating bath 255 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  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  \$\pmathrm{\frac{\pmathrm{\ | 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 V4A  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  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 V4A  Diameter heating bath 255 mm  Volume heating bath 4.5 I  Display vapor temperature Yes  Required accessories for display vapor temperature lintegrated 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 V4A  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   | 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 V4A  Diameter heating bath 255 mm  Volume heating bath 4.5 I  Display vapor temperature Yes  Required accessories for display vapor temperature unterperature  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 V4A  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 V4A  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 V4A  255 mm  Vapor temperature  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  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 V4A                         |
| Display vapor temperature  Required accessories for display vapor temperature sensor  Integrated vacuum controller  Yes  Timer  Yes  Programmable ramps  Yes  Supply Power  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                                       |

## Premium Laboratory Equipment

| 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 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                   |