

## Hei-VAP Ultimate - motor lift model with G1 diagonal glassware

P/N: 036041050



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 G1 diagonal glassware
- 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

|                                                    |                                                                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Rotation speed indicator                           | 7" LCD color graphic display                                                                                      |
| Permissible ambient conditions                     | 5 – 31 °C at 80 % rel. humidity<br>32 – 40 °C decreasing lineary up to max 50% rel. humidity                      |
| Protection class (EN 60529)                        | IP 20                                                                                                             |
| 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                              | 255 mm                                                                                                            |
| Volume heating bath                                | Up to 6 liter (2.2 to 4.5 liter recommended filling volume, depending on the flask size and immersion angle used) |
| Display vapor temperature                          | Yes                                                                                                               |
| Required accessories for display vapor temperature | Vapor temperature sensor                                                                                          |
| Integrated vacuum controller                       | -                                                                                                                 |
| Timer                                              | Yes                                                                                                               |
| Programmable ramps                                 | Yes                                                                                                               |
|                                                    |                                                                                                                   |

|                                                                     |                       |
|---------------------------------------------------------------------|-----------------------|
| 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 l                   |
| Rotation speed range                                                | 10 - 280 rpm          |
| Integrated Hei-CHILL controller                                     | -                     |
| Vacuum program Dynamic AUTOaccurate<br>requires AUTOaccurate sensor | -                     |
| Solvent library                                                     | Yes                   |