

## Hei-VAP Ultimate - hand lift model with G3 vertical glassware



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
- Hand lift model with G3 vertical 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 DIN EN 60529                      | IP 20                                                                                        |
| Lift                                               | Hand lift                                                                                    |
| Height adjustment speed                            | manual                                                                                       |
| 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                                | 4.5 l                                                                                        |
| 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                  | 16 kg                                                                                        |

|                                                         |                         |
|---------------------------------------------------------|-------------------------|
| Dimensions with glassware set G3 (w/d/h)                | max. 739 x 477 x 845 mm |
| Dimensions with glassware set G3 XL (w/d/h)             | max. 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 DAA mode<br>requires AUTOaccurate-Sensor | -                       |
| Solvent library                                         | Yes                     |



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