

## Hei-VAP Ultimate Control - motor lift model with coated G3 XL vertical glassware

P/N: 036041077



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 transparent plastic coated G3 XL vertical glassware - achieve higher evaporation rates due to expanded cooling surface of 2,200 cm<sup>2</sup>
- 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

|                                                    |                                                                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 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 V4A                                                                                               |
| 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                       | Yes                                                                                                               |
| 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)                         | max. 739 x 407 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                                     | Yes                     |
| Vacuum program Dynamic AUTOaccurate<br>requires AUTOaccurate sensor | Yes                     |
| Solvent library                                                     | Yes                     |