Premium Laboratory Equipment

# Hei-VAP Ultimate - motor lift model with G6 vertical glassware

P/N: 576-01600-00




reddot winner 2020
interface design

DESIGN AWARD 2021

Most Innovative Product
SalesConvention
LLG AWARD 2019

Safety tested
Production monitored
TÜV SÜD
C US

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 G6 vertical glassware for reflux distillation
- 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

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|---|---|
| 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 |
| | |

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|---|---|
| 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 cm² |
| Condensing surface XL condenser | 2,200 cm² |
| Max. size evaporating flask | 5 l |
| Rotation speed range | 10 - 280 rpm |
| Integrated Hei-CHILL controller | - |
| Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor | - |
| Solvent libary | Yes |