Premium Laboratory Equipment

Hei-VAP Ultimate - hand lift model with coated G3 XL vertical glassware

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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
- Hand lift model with transparent plastic coated G3 XL vertical glassware - achieve higher evaporation rates due to expanded cooling surface of 2,200 cm²
- 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 32 – 40 °C decreasing lineary up to max 50% rel. humidity
Protection class (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 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	-
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 532 x 887 mm
Dimensions with glassware set G3 XL (w/d/h)	739 x 532 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