Hei-VAP Ultimate - hand lift model with G3 XL vertical glassware P/N: 575-01305-00



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 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

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Hei-VAP Ultimate - Technical Data

Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 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 Drive brushless DC motor with electronic speed control Heating capacity 1,300 W Temp. range heating bath 20 - 210 °C Temperature accuracy bath 21K 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 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller - Timer Yes Supply Power 1,400 W Weight without glassware assembly 15 kg	Rotation speed indicator	7" LCD color graphic display
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 2.55 mm Volume heating bath 4.51 Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Permissible ambient conditions	32 – 40 °C decreasing lineary up to max 50%
Height adjustment speed Height adjustment 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 tatinless steel AISI 316L Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Protection class DIN EN 60529	IP 20
Height adjustment 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 Volume heating bath 4.51 Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Lift	Hand lift
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 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Height adjustment speed	manual
Heating capacity 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 biameter heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Height adjustment	155 mm
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 secondary overtemp. cut off 250 °C Material heating bath biameter heating bath 255 mm Volume heating bath 255 mm Volume heating bath 4.5 I Display vapor temperature Yes Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Drive	
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 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller - Timer Yes Programmable ramps Yes Supply Power 1,400 W	Heating capacity	1,300 W
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 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller - Timer Yes Programmable ramps Yes Supply Power 1,400 W	Temp. range heating bath	20 - 210 °C
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 I Display vapor temperature Yes Required accessories for display vapor temperature sensor Integrated vacuum controller - Timer Yes Programmable ramps Yes Supply Power 1,400 W	Temperature accuracy bath	±1K
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 I Display vapor temperature Yes Required accessories for display vapor temperature sensor temperature Integrated vacuum controller - Timer Yes Programmable ramps Yes Supply Power 1,400 W	Overheat protection bath	
Secondary overtemp. cut off 250 °C Material heating bath Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Bath temperature setting	7" LCD color graphic display
Material heating bath Diameter heating bath Volume heating bath Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Programmable ramps Yes Supply Power Stainless steel AISI 316L 255 mm Vapor temperature Vapor temperature sensor Vapor temperature sensor Yes 1,400 W	Heating bath temperature control	electronic / digital
Diameter heating bath Volume heating bath 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 255 mm 4.5 I Vapor temperature sensor Vapor temperature sensor Yes 1,400 W	Secondary overtemp. cut off	250 °C
Volume heating bath Display vapor temperature Required accessories for display vapor temperature sensor Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 4.5 Yes Vapor temperature sensor Yes - Timer Yes 1,400 W	Material heating bath	stainless steel AISI 316L
Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power Yes Yapor temperature sensor 1,400 W	Diameter heating bath	255 mm
Required accessories for display vapor temperature sensor Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Volume heating bath	4.5
Integrated vacuum controller Timer Yes Programmable ramps Yes Supply Power 1,400 W	Display vapor temperature	Yes
Timer Yes Programmable ramps Yes Supply Power 1,400 W		Vapor temperature sensor
Programmable ramps Yes Supply Power 1,400 W	Integrated vacuum controller	-
Supply Power 1,400 W	Timer	Yes
	Programmable ramps	Yes
Weight without glassware assembly 15 kg	Supply Power	1,400 W
	Weight without glassware assembly	15 kg

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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 cm ²
Condensing surface XL condenser	2,200 cm²
Max. size evaporating flask	51
Rotation speed range	10 - 280 rpm
Integrated Hei-CHILL controller	-
Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor	_
Solvent libary	Yes