## Hei-VAP Expert



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 5" touch display
- 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 interfaces
- Optional display of vapor temperature
- Subsequent upgrade to Hei-VAP Expert Control possible, including vacuum and chiller control

## Hei-VAP Expert - Technical Data

Permissible ambient conditions  5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity 32 - 40 °C decreasing lineary up to max 50% rel. humidity  Protection class DIN EN 60529  IP 20  Lift  Hand lift or Motor lift  Height adjustment speed  Hand lift models: manual Motor lift models: 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  5 °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	Rotation speed indicator	5" LCD color graphic display
Lift Hand lift or Motor lift Height adjustment speed Hand lift models: manual Motor lift models: 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 5° 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 lintegrated vacuum controller -  Timer Yes  Programmable ramps Yes	Permissible ambient conditions	32 - 40 °C decreasing lineary up to max 50%
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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  5° 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  Yes  Required accessories for display vapor temperature sensor  temperature  Integrated vacuum controller  Timer  Yes  Programmable ramps  Yes	Lift	Hand lift or Motor 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 5" 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 Integrated vacuum controller -  Timer Yes  Programmable ramps Yes	Height adjustment speed	
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  5" 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  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	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 5" 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 lintegrated vacuum controller -  Timer Yes  Programmable ramps Yes	Drive	·
Temperature accuracy bath ±1K  Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000  Bath temperature setting 5" 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	Heating capacity	1,300 W
Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000  Bath temperature setting 5" 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	Temp. range heating bath	20 - 210 °C
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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	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	Bath temperature setting	5" 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  Yes  Stainless steel AISI 316L  255 mm  Vasor  Vasor  Vasor  Vapor temperature sensor  -  Timer  Yes  Programmable ramps  Yes	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  255 mm  4.5 I  Vapor temperature sensor  Vapor temperature sensor  Yes  Yes	Secondary overtemp. cut off	250 °C
Volume heating bath  Display vapor temperature  Required accessories for display vapor temperature sensor  Integrated vacuum controller  Timer  Programmable ramps  4.5 I  Yes  Yes  Yapor temperature sensor	Material heating bath	stainless steel AISI 316L
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temperature Integrated vacuum controller - Timer Yes Programmable ramps Yes	Display vapor temperature	Yes
Timer Yes Programmable ramps Yes		Vapor temperature sensor
Programmable ramps Yes	Integrated vacuum controller	-
	Timer	Yes
Supply Power 1,400 W	Programmable ramps	Yes
	Supply Power	1,400 W

## Premium Laboratory Equipment

Weight without glassware assembly	15 kg
Dimensions with glassware set G3 (w/d/h)	HL: 739 x 532 x 887 mm ML: 739 x 477 x 887 mm
Dimensions with glassware set G3 XL (w/d/h)	HL: 739 x 532 x 920 mm ML: 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
Rotation speed range	10 - 280 rpm
Integrated Hei-CHILL controller	-
Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor	-
Solvent libary	Yes