Hei-VAP Core



An operating concept that is focused on the essentials: clear and with access to the basic parameters rotation speed and heating bath temperature at any time.

- Clear digital display showing actual and set values
- Two separate knobs with dynamic control for setting the rotation speed and heating bath temperature: fast turning for large jumps, slow turning for precise setting of the set values
- Accidental changing of the values can be prevented by the lock function
- Intuitive LED ring light system makes activated functions clearly visible even from a distance
- Easy adjustment of the immersion depth up to 155 mm and the inclination angle from 20° to 80°
- Standby function and residual heat warning at heating bath temperatures above 50 °C
- Available as hand or motor lift models
- The standby button stops all functions and, when using a motor lift model, lifts the evaporating flask from the heating bath.

Hei-VAP Core - 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 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 3.5° LCD Display Heating bath temperature control electronic / digital Secondary overtemp. cut off 250 °C Material heating bath stainless steel AISI 316L Diameter heating bath 4.5 I Display vapor temperature - Required accessories for display vapor temperature - Integrated vacuum controller - Timer - Programmable ramps - Supply Power 1,400 W	Rotation speed indicator	3.5" LCD Display
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 3.5" LCD 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 Required accessories for display vapor temperature lintegrated vacuum controller Timer Programmable ramps	Permissible ambient conditions	32 - 40 °C decreasing lineary up to max 50%
Height adjustment speed Hand lift models: manual Motor lift models: 25 mm/s Height adjustment Drive Dri	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 3.5° LCD 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 4.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Programmable ramps	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 3.5" LCD 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 4.51 Display vapor temperature - Required accessories for display vapor temperature Integrated vacuum controller - Timer - Programmable ramps -	Height adjustment speed	
Heating capacity1,300 WTemp. range heating bath20 − 210 °CTemperature accuracy bath±1 KOverheat protection bathcut-off at 5 °C over set temperature via separate PT 1000Bath temperature setting3.5" LCD DisplayHeating bath temperature controlelectronic / digitalSecondary overtemp. cut off250 °CMaterial heating bathstainless steel AISI 316LDiameter heating bath255 mmVolume heating bath4.5 IDisplay vapor temperature-Required accessories for display vapor temperature-Integrated vacuum controller-Timer-Programmable ramps-	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 3.5" LCD 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 - Required accessories for display vapor temperature Integrated vacuum controller - Timer - Programmable ramps -	Drive	·
Temperature accuracy bath ±1K Overheat protection bath cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 3.5" LCD 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 - Required accessories for display vapor temperature Integrated vacuum controller - Timer - Programmable ramps -	Heating capacity	1,300 W
Overheat protection bath Cut-off at 5 °C over set temperature via separate PT 1000 Bath temperature setting 3.5° LCD 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 Required accessories for display vapor temperature Integrated vacuum controller Timer Programmable ramps	Temp. range heating bath	20 - 210 °C
Bath temperature setting 3.5" LCD 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	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 - Required accessories for display vapor temperature - Integrated vacuum controller - Timer - Programmable ramps	Overheat protection bath	•
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 - Required accessories for display vapor temperature - Integrated vacuum controller - Timer - Programmable ramps -	Bath temperature setting	3.5" LCD Display
Material heating bath Diameter heating bath Volume heating bath Volume heating bath A.5 I Display vapor temperature Required accessories for display vapor temperature Integrated vacuum controller Timer Programmable ramps stainless steel AISI 316L 255 mm	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 Programmable ramps	Secondary overtemp. cut off	250 °C
Volume heating bath 4.5 I Display vapor temperature - Required accessories for display vapor temperature - Integrated vacuum controller - Timer - Programmable ramps	Material heating bath	stainless steel AISI 316L
Display vapor temperature - Required accessories for display vapor temperature - Integrated vacuum controller - Timer - Programmable ramps -	Diameter heating bath	255 mm
Required accessories for display vapor temperature - Integrated vacuum controller - Timer - Programmable ramps -	Volume heating bath	4.5
temperatureIntegrated vacuum controller-Timer-Programmable ramps-	Display vapor temperature	- -
Timer - Programmable ramps -		_
Programmable ramps -	Integrated vacuum controller	-
	Timer	-
Supply Power 1,400 W	Programmable ramps	-
	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 487 x 845 mm ML: 739 x 432 x 845 mm
Dimensions with glassware set G3 XL (w/d/h)	HL: 739 x 487 x 920 mm ML: 739 x 432 x 920 mm
Condensing surface	1,400 cm ²
Condensing surface XL condenser	2,200 cm ²
Max. size evaporating flask	5
Rotation speed range	10 - 280 rpm
Integrated Hei-CHILL controller	-
Vacuum program Dynamic AUTOaccurate requires AUTOaccurate sensor	_
Solvent libary	-