

Technical specifications

Rotary Evaporators

Model	Hei-VAP Core (HL)	Hei-VAP Core (ML)	Hei-VAP Expert (HL/ML)	Hei-VAP Ultimate (HL/ML)	Hei-VAP Expert Control (HL/ML)	Hei-VAP Ultimate Control (HL/ML)
Lift	hand lift	motor lift	hand lift / motor lift	hand lift / motor lift	hand lift / motor lift	hand lift / motor lift
Height adjustment speed	manual	25 mm/s	manual / 25 mm/s	manual / 25 mm/s	manual / 25 mm/s	manual / 25 mm/s
Height adjustment	155 mm	155 mm	155 mm	155 mm	155 mm	155 mm
Rotation speed	10–280 rpm	10–280 rpm	10–280 rpm	10–280 rpm	10–280 rpm	10–280 rpm
Rotation speed setting	3.5" LCD display	3.5" LCD display	5" LCD color graphic display	7" LCD color graphic display	5" LCD color graphic display	7" LCD color graphic display
Drive	brushless DC motor with electronic speed control					
Heating capacity	1,300 W	1,300 W	1,300 W	1,300 W	1,300 W	1,300 W
Temp. range heating bath	20–210 °C	20–210 °C	20–210 °C	20–210 °C	20–210 °C	20–210 °C
Temperature accuracy bath	±1 °C	±1 °C	±1 °C	±1 °C	±1 °C	±1 °C
Overheat protection bath	cut-off at 5 °C over set temperature via separate Pt 1000					
Secondary overtemp. cut-off	250 °C	250 °C	250 °C	250 °C	250 °C	250 °C
Bath temperature setting	3.5" LCD display	3.5" LCD display	5" LCD color graphic display	7" LCD color graphic display	5" LCD color graphic display	7" LCD color graphic display
Heating bath temperature control	electronic / digital	electronic / digital	electronic / digital	electronic / digital	electronic / digital	electronic / digital
Material heating bath	stainless steel AISI 316 L	stainless steel AISI 316 L	stainless steel AISI 316 L	stainless steel AISI 316 L	stainless steel AISI 316 L	stainless steel AISI 316 L
Diameter heating bath	inner 253 mm, outer 291 mm	inner 253 mm, outer 291 mm	inner 253 mm, outer 291 mm	inner 253 mm, outer 291 mm	inner 253 mm, outer 291 mm	inner 253 mm, outer 291 mm
Volume heating bath	4.5 l	4.5 l	4.5 l	4.5 l	4.5 l	4.5 l
Max. size evaporating flask	5 l	5 l	5 l	5 l	5 l	5 l
Display vapor temperature required accessories	–	–	yes vapor temperature sensor	yes vapor temperature sensor	yes vapor temperature sensor	yes vapor temperature sensor
Integrated vacuum controller	–	–	–	–	yes	yes
Integrated Hei-CHILL controller	–	–	–	–	yes	yes
Timer	–	–	yes	yes	yes	yes
Vacuum program DAA mode requires AUTO_{accurate}-sensor	–	–	–	–	yes	yes
Programmable ramps	–	–	yes	yes	yes	yes
Supply power	1,400 W	1,400 W	1,400 W	1,400 W	1,400 W	1,400 W
Weight w/o glassware assembly	14.7 kg	15 kg	14.7 kg (HL), 15 kg (ML)	14.7 kg (HL), 15 kg (ML)	14.7 kg (HL), 15 kg (ML)	14.7 kg (HL), 15 kg (ML)
Dimensions with glassware set G3 max. w/d/h	739×487×845 mm	739×432×845 mm	739×532×887 mm (HL) 739×477×887 mm (ML)	739×532×887 mm (HL) 739×477×887 mm (ML)	739×532×887 mm (HL) 739×477×887 mm (ML)	739×532×887 mm (HL) 739×477×887 mm (ML)
Dimensions with glassware set G3 XL max. w/d/h	739×487×920 mm	739×432×920 mm	739×532×920 mm (HL) 739×477×920 mm (ML)	739×532×920 mm (HL) 739×477×920 mm (ML)	739×532×920 mm (HL) 739×477×920 mm (ML)	739×532×920 mm (HL) 739×477×920 mm (ML)
Condensing surface	1,400 cm ²	1,400 cm ²	1,400 cm ²	1,400 cm ²	1,400 cm ²	1,400 cm ²
Condensing surface XL condenser	2,200 cm ²	2,200 cm ²	2,200 cm ²	2,200 cm ²	2,200 cm ²	2,200 cm ²
Permissible ambient conditions	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity					
Protection class¹	DIN EN 60529	IP 20	IP 20	IP 20	IP 20	IP 20

Standard supply voltage: 230 V. Other voltages upon request, please specify for order.

¹ IP 67 for heating bath cable connections, IP 42 for operating panels and Control-Box