

The HAAKE Phoenix II refrigerated circulators feature FuzzyStar control with neural adaptation, the tried-and-tested energy management system. External connection options greatly extend the application range.

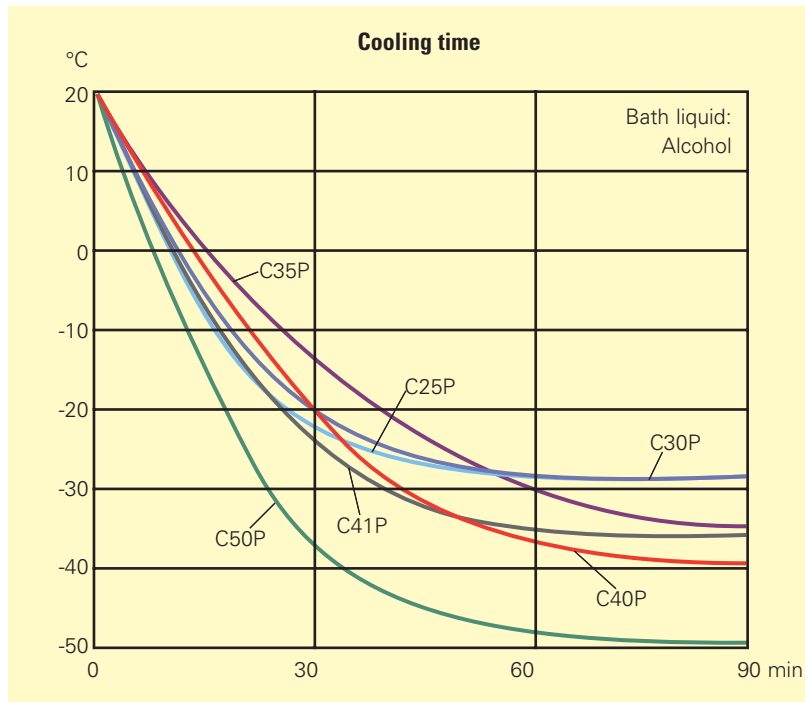
All units are characterized by their simple operation and represent the optimum combination of design and functionality.

The refrigerated circulators are especially suited for the temperature control of open and closed

temperature control circuits due to their powerful pressure and suction pump.

Innovative:

The pump automatically adapts itself to the viscosity of the bath liquid due to the automatic speed recognition function. This guarantees constant pressure and flow rate conditions over a wide temperature range.



Comes with

nozzles

for tubings with 8 and 12 mm i. Ø

Bath cover

Optional accessories

Order-No.

Universal **hose nozzle** for tubing of 3 bis 6 mm i. Ø **001-3718**

Reservoir **drain** **333-0499**

Trolley with castor for C30P, C35P, C40P, C41P, C50P **333-0678**

External analog box **333-0685**

230V Power supply for analog box **333-0705**

Software ThermStar95plus (s. P. 32)

Tubes and bath liquids (s. P. 30-31)

Pt100 sensors (s. P. 33)

Additional heater for C25P **333-0741**

Additional heater for C30P, C35P, C50P **333-0745**

Additional heater for C40P, C41P **333-0742**

Additional pump **333-0746**



Optional accessory: Additional heater ZH1 to accelerate heating-up

Technical specifications acc. to DIN 12876		P1-C25P	P2-C25P	P1-C30P	P2-C30P
Working temperature range	°C	-28...150	-28...150	-30...200	-30...200
Temperature accuracy	+/- K	0.01	0.01	0.01	0.01
Heater capacity 230V / 115V	kW	2.0/1.2	2.0/1.2	2.0/-	2.0/-
Cooling capacity at	20°C	300	300	800	800
	0°C	200	200	620	620
	-20°C	70	70	450	450
Pump:	Pressure max.	mbar	560	560	560
	Flow rate max.	l/min	24	24	24
	Suction max.	mbar	380	380	380
	Flow rate max.	l/min	22	22	22
Bath opening WxLxD	cm	13x10x15	13x10x15	22x14x20	22x14x20
Bath volume max.	l	4.5	4.5	12	12
Overall dimensions WxLxH	cm	26x48x63	26x48x63	40x51x77	40x51x77
Total wattage 230V / 115V	VA	2450/1650	2450/1650	2600/-	2600/-
Net weight	kg	26.3	26.3	46	46
Order-No. for 230V / 50Hz		440-0251	441-0251	440-0301	441-0301
Order-No. for 220V / 60Hz		440-0251	441-0251	440-0309	441-0309
Order-No. for 115V / 60Hz		440-0252	441-0252	-	-
ExtraPlus-Rating (see page 35)		+++++	+++++	+++++	+++++



P1-C25P / P2-C25P

Compact refrigerated circulators down to -28°C with a small 4.5 liter bath for rapid cooling. 300 watt cooling capacity at 20°C.



P1-C30P / P2-C30P

Refrigerated circulators for high loads down to -30°C, reliable cooling even at high ambient temperatures. 800 watt cooling capacity at 20°C.



P1-C35P / P2-C35P

Refrigerated circulators with a wide temperature range from -35°C to +200°C. 400 watt cooling capacity at 20°C.



P1-C40P / P2-C40P

Refrigerated circulators with a large bath opening, down to -40°C ideal for the simultaneous temperature control internally and externally. 700 watt cooling capacity at 20°C.



P1-C41P / P2-C41P

High power refrigerated circulators down to -40°C. High cooling capacity for applications under 0°C. 1000 watt cooling capacity at 20°C.



P1-C50P / P2-C50P

Refrigerated circulators for extreme low temperatures down to -50°C. Inexpensive cooling alternative to a cryostat. 850 watt cooling capacity at 20°C.

P1-C35P	P2-C35P	P1-C40P	P2-C40P	P1-C41P	P2-C41P	P1-C50P	P2-C50P
-35...200	-35...200	-40...150	-40...150	-40...150	-40...150	-50...150	-50...150
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2.0/1.2	2.0/1.2	2.0/-	2.0/-	2.0/-	2.0/-	2.0/-	2.0/-
400	400	700	700	1000	1000	850	850
300	300	550	550	750	750	700	700
150	150	300	300	400	400	500	500
560	560	560	560	560	560	560	560
24	24	24	24	24	24	24	24
380	380	380	380	380	380	380	380
22	22	22	22	22	22	22	22
22x14x15	22x14x15	29x15x15	29x15x15	29x15x20	29x15x20	22x14x15	22x14x15
8	8	12	12	15	15	8	8
40x51x71	40x51x71	40x51x71	40x51x71	40x51x77	40x51x77	40x51x77	40x51x77
2500/1700	2500/1700	2550/-	2550/-	2600/-	2600/-	2650/-	2650/-
40	40	41	41	45	45	46	46
440-0351	441-0351	440-0401	441-0401	440-0411	441-0411	440-0501	441-0501
440-0359	441-0359	440-0409	441-0409	440-0419	441-0419	440-0509	441-0509
440-0352	441-0352	-	-	-	-	-	-
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