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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.

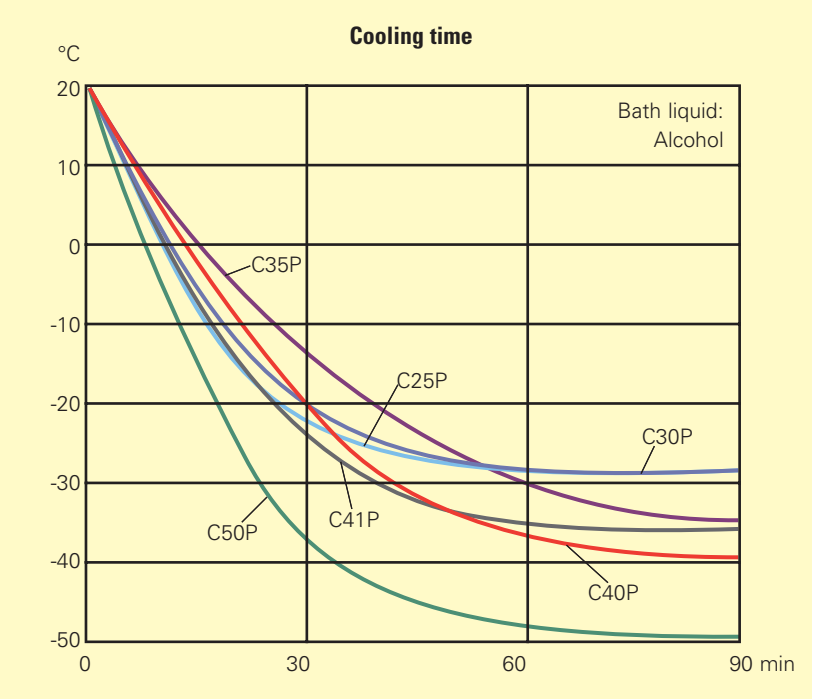
All units are characterized by their simple operation and represent the optimum combination of design and functionality.

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 0°C -20°C	W W W	300 200 70	300 200 70	800 620 450	800 620 450
Pump: Pressure max. Flow rate max. Suction max. Flow rate max.	mbar l/min mbar l/min	560 24 380 22	560 24 380 22	560 24 380 22	560 24 380 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 Order-No. for 220V / 60Hz Order-No. for 115V / 60Hz		440-0251 440-0251 440-0252	441-0251 441-0251 441-0252	440-0301 440-0309 –	441-0301 441-0309 –
ExtraPlus-Rating (see page 35)		+ + + + +	+ + + + + +	+ + + + +	+ + + + + +

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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/-
400 300 150	400 300 150	700 550 300	700 550 300	1000 750 400	1000 750 400	850 700 500	850 700 500
560 24 380 22	560 24 380 22	560 24 380 22	560 24 380 22	560 24 380 22	560 24 380 22	560 24 380 22	560 24 380 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 440-0359 440-0352	441-0351 441-0359 441-0352	440-0401 440-0409 –	441-0401 441-0409 –	440-0411 440-0419 –	441-0411 441-0419 –	440-0501 440-0509 –	441-0501 441-0509 –
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