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The HAAKE Phoenix II heating circulators are designed for temperature controlling external systems. The bath opening also enables the immersion of samples within the circulator bath. All units have a stainless steel bath and can be used up to 280°C. The powerful pump guarantees a good heat exchange and optimum temperature accuracy.

Innovative

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



P1-B5 / P2-B5

Compact heating circulators with a 5-liter bath, ideal for temperature controlling small open or closed systems with short heating up times and thus quick reaction times.



P1-B7 / P2-B7

Slim-line heating circulators with a deep 7-liter bath for temperature controlling open and closed systems; high temperature accuracy for medium-size external systems.



P1-B12 / P2-B12

Heating circulators with a 12-liter bath suitable for external systems with high volume variations; use as open-bath circulator also possible due to the large bath opening.

Technical specification acc. to DIN 12876		P1-B5	P2-B5	P1-B7	P2-B7
Working temperature range	°C	32...250	32...280	30...250	30...280
with tap water cooling	°C	20...250	20...280	20...250	20...280
with other cooling	°C	-60...250	-60...280	-60...250	-60...280
Temperature accuracy	+/- K	0.01	0.01	0.01	0.01
Heater capacity 230V / 115V	kW	2.0/1.2	3.0/1.2	2.0/1.2	3.0/1.2
Pump: Pressure max.	mbar	560	560	560	560
Flow rate max.	l/min	24	24	24	24
Suction max.	mbar	380	380	380	380
Flow rate max.	l/min	22	22	22	22
Bath opening WxLxD	cm	14x14.5x15	14x14.5x15	13x10x20	13x10x20
Bath volume max.	l	4.5	4.5	7	7
Overall dimensions WxLxH	cm	24x38x44	24x38x44	25x38x50	25x38x50
Total wattage 230V / 115V	VA	2100/1250	3100/1250	2100/1250	3100/1250
Net weight	kg	10.2	10.2	11.8	11.8
Order-No. for 230V / 50-60Hz		440-0051	441-0051	440-0071	441-0071
Order-No. for 115V / 60Hz		440-0052	441-0052	440-0072	441-0072
ExtraPlus-Rating (see page 35)		+++++	+++++	+++++	+++++



P1-W26 / P2-W26

Combined open-bath and heating circulators with a 42-liter bath. Extra deep bath (300 mm) for large objects, simultaneous temperature control of external systems.



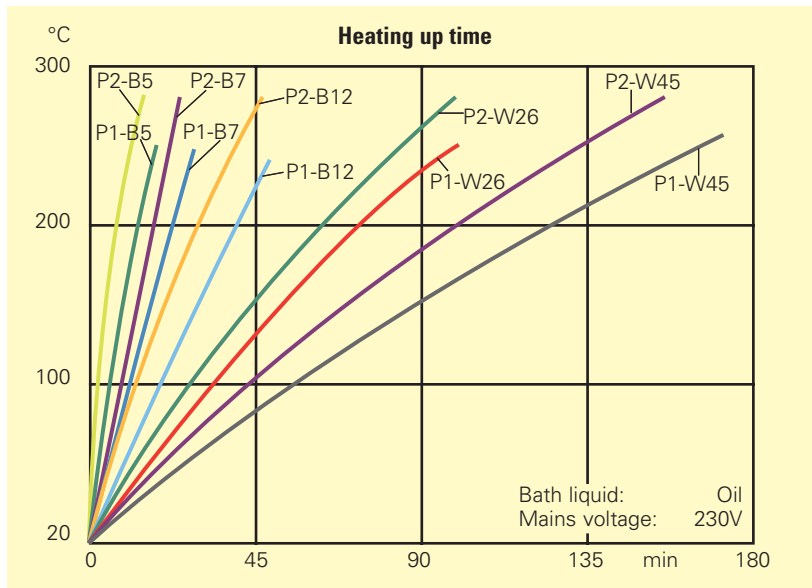
P1-W45 / P2-W45

Combined open-bath and heating circulators with a 26-liter bath. Large bath opening for direct temperature control of objects, simultaneous temperature control of external systems.



Additional pump

If the capacity of the integrated circulator pump would not be high enough for temperature controlling an external system, this booster pump can provide up to 3 bar pressure.



Comes with

Each 2 **nozzles** for tubings with 8 and 12 mm i. Ø

Bath cover for B5, B7, B12

Tap water cooling coil for B5, B7, B12

Optional accessories

Order-No.

Tap water cooling coil

for baths W26 und W45 **333-0677**

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

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

Bath cover made from stainless steel (fits 2 x onto W45) **333-0648**

Bath cover made from stainless steel (fits 2 x onto W26) **333-0225**

External analog box **333-0685**

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

Software ThermStar95plus (s. P. 32)

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

Pt100 sensors (s. P. 33)

Additional heater B7 bath **333-0741**

Additional heater B12 cooling **333-0743**

Solenoid valve control for tap water cooling **333-0744**

Additional pump **333-0746**

Profibus interface on request

P1-B12	P2-B12	P1-W26	P2-W26	P1-W45	P2-W45
28...250	28...280	28...250	28...280	28...250	28...280
20...250	20...280	20...250	20...280	20...250	20...280
-60...250	-60...280	-60...250	-60...280	-60...250	-60...280
0.01	0.01	0.01	0.01	0.01	0.01
2.0/1.2	3.0/1.2	2.0/1.2	3.0/1.2	2.0/1.2	3.0/1.2
560	560	560	560	560	560
24	24	24	24	24	24
380	380	380	380	380	380
22	22	22	22	22	22
22x14x20	22x14x20	30x35x20	30x35x20	30x35x30	30x35x30
12	12	26	26	42	42
34x38x50	34x38x50	35x54x44	35x54x44	36x54x55	36x54x55
2100/1250	3100/1250	2100/1250	3100/1250	2100/1250	3100/1250
13	13	11	11	19	19
440-0121	441-0121	440-0261	441-0261	440-0451	441-0451
440-0122	441-0122	440-0262	441-0262	440-0452	441-0452
+++++	+++++	+++++	+++++	+++++	+++++

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