



HBC 10 control

The HBC 10 control heated bath circulator heats up to a maximum temperature of 250 °C. It is equipped with a high-quality stainless steel bath with a filling volume of 8 - 13 litres. The color graphic TFT Display illustrates all relevant process data. The user can switch from internal to external temperature regulation with only one key. The large surface of the radiator allows for an optimum heat exchange and a smooth warming of the medium. Push and turn buttons for intuitive multilingual menu navigation. The bath has a front drain valve for safe emptying. To drain the system, a hose is connected so that the user does not have direct contact with the tempering fluid. Thanks to the innovative WiCo Wireless Controller, the unit can be operated from a distance of up to 10 meters.

- Temperature range: 20 - 250 °C
- Temperature accuracy: ± 0.1 K
- Wireless controller (WiCo) enables safe operation, e.g. in front of a closed fume hood
- Large easy-to-read TFT display for: temperature, pump speed, filling level and safety temperature
- Powerful, speed controlled pressure/suction pump
- Integrated cooling coil
- Adjustable safety circuit
- Safety classification III (FL) according to DIN 12876
- Certified by UL
- PT 100 temperature probe included
- Electronic timer function: 0 - 99 h 59 min
- Optical and acoustic warning functions
- Connection of an magnetic valve possible
- USB / RS 232 interface for controlling and supervising of the units via labworldsoft® and for online firmware updates

Accessories: AQ.1 , H.PVC.8, H.PVC.12, H.SI.8, H.SI.12, H.PTFE.8, H.PTFE.12, LT 5.20 Hose, LT 5.24 Hose adapter, ISO.8, ISO.12, CO V 1, PC 1.1 Cable, PT 100.30

Technical Data

Appliance type	circulation thermostat
Classification according to DIN 12876	III
Identification according to DIN 12876	FL
Heat output [W]	2500
Operating temperature min. (with external cooling) [°C]	-20
Operating temperature max. [°C]	250
Working temperature min. [°C]	room temp. +10K @1000rpm
Working temperature max. [°C]	250
Temperature display	yes
Temperature control	PT 100
Working temperature sensor	PT 100
Safety temperature sensor	PT1000
Working temperature display	TFT
Safety temperature display	TFT
Temperature stability DIN 12876 [\pm K]	0.01
Connection for ext. temperature sensor	PT 100
Display resolution [\pm °C]	0.01
Display for operation with ext. sensor	yes
Heat control accuracy [\pm K]	0.1
Warning function optical	yes
Warning function acoustic	yes
Warning function excess temperature	yes
Warning function insufficient temperature	no
Adjustable safety circuit min. [°C]	0
Adjustable safety circuit max. [°C]	260
Sub-level protection	yes
Over-level protection	yes
Bath volume min. [l]	8
Bath volume max. [l]	11
Pump type	Pressure- / suction pump
Pump capacity adjustable	yes
Pump pressure max. (0 liters discharge flow) [bar]	0.7
Pressure pump (suction side) (0 liter flow) [bar]	0.4
Pump pressure max. (0 bar back pressure) [l/min]	26
Pump connection	M16x1
Cooling coil connection	NW 8
Bath depth min. [mm]	150
Calibration option	yes
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	275 x 456 x 506
Weight [kg]	18.3
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
USB interface	yes
Voltage [V]	230 / 115
Frequency [Hz]	50/60
Power input [W]	2650
Ident. No.	0004137000



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.