

Data Sheet



HBC 5 basic

The HBC 5 basic is a heated bath circulator which heats up to a maximum temperature of 200 °C. It has a high quality stainless steel bath with a volume of 5 - 7 liters. The large surface of the radiator allows for an optimal heat exchange and a gentle heating process of the medium. The superior insulation leads to remarkably fast heat up times. The easy to clean bath has a front drain valve for safe emptying. In order to drain the bath, a hose is connected so there is no direct contact with the tempering fluid. With customer safety as our highest priority, the HBC 5 basic is UL certified and conforms to the highest safety classification III (FL) for use with flammable liquids according to DIN 12876.

- Temperature range: 20 200 °C
- Temperature accuracy: ± 0.02 K
- Integrated cooling coil
- Adjustable safety circuit
- Powerful, speed-controlled pressure/suction pump
- Push and turn buttons for an intuitive menu navigation
- Large easy to read LED display for pump speed and temperature
- External PT 100 temperature sensor included
- UL certified
- Visual and acoustic safety warnings
- USB / RS 232 interface for PC control and documentation using labworldsoft®, as well as updating the device software through our website

Accessories: HF.Si.20.250.50A, HF.Si.20.200.50, UF.Si.N30.150.10LV, LT 5.20 Hose kit (2 pcs), LT 5.21 Hose kit insulated (2 pcs), H.PVC.8 Tube, H.PVC.12 Tube, H.SI.8 Tube, H.SI.12 Tube, H.FKM.8 Tube, H.FKM.12 Tube, H.PUR.8.R Tube, H.PUR.12 Tube, ISO.8, ISO.12, Ball valve M16x1, mechanic fluid level controller, elbow tube 90°, Olive for DN 6 hoses (2 pcs.), Olive for DN 12 hoses (2 pcs.), Olive for DN 10 hoses (2 pcs.), Adapter NPT 1/4 (2 pcs.), Adapter NPT 1/2 (2 pcs.), Adapter NPT 3/4 (2 pcs.), lock nut (2 pcs.), stopper (2 pcs.), PT 100.30 Temperature sensor

Technical Data Circulation thermostat Appliance type circulation thermostat Class designation acc. DIN 12876 [III] Heat output [W] 2500 Operating temperature min. [°C] 200 Operating temperature max. (with external heating) [°C] room temp. ±10K @1000rpm Working temperature max. [°C] 200 Working temperature min. [°C] room temp. ±10K @1000rpm Working temperature min. [°C] 700 Temperature display 920 Temperature sensor PT 100 Safety temperature sensor PT 100 Safety temperature display LED Temperature stability DIN 18876 [±K] 0.0 Connection for ext. temperature sensor PT 100 Display for operation with ext. sensor PT 100 Ste temperature stability DIN 18876 [±K] 0.0 Use temperature seloution [±K] 0.1 Display for operation with ext. sensor PT 100 Ste temperature seloution [±K] 0.1 Warning function excess temperature 9.0 Warning function excess temperature 9.0		
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Permissible ON time [%] 100 Dimensions (W x H x D) [mm] 275 x 406 x 500 Weight [kg] 17 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 / 100 - 115 Frequency [Hz] 50/60 Power input [W] 2650	•	
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Weight [kg] 17 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 / 100 - 115 Frequency [Hz] 50/60 Power input [W] 2650	Permissible ON time [%]	100
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 / 100 - 115 Frequency [Hz] 50/60 Power input [W] 2650	Dimensions (W x H x D) [mm]	275 x 406 x 500
Permissible relative humidity [%] 80 Protection class according to DIN EN 60529 IP 21 RS 232 interface yes USB interface yes Voltage [V] 230 / 100 - 115 Frequency [Hz] 50/60 Power input [W] 2650	Weight [kg]	17
Protection class according to DIN EN 60529 IP 21 RS 232 interface yes USB interface yes Voltage [V] 230 / 100 - 115 Frequency [Hz] 50/60 Power input [W] 2650	Permissible ambient temperature [°C]	5 - 40
RS 232 interface yes USB interface yes Voltage [V] 230 / 100 - 115 Frequency [Hz] 50/60 Power input [W] 2650	Permissible relative humidity [%]	80
USB interface yes Voltage [V] 230 / 100 - 115 Frequency [Hz] 50/60 Power input [W] 2650	Protection class according to DIN EN 60529	IP 21
Voltage [V] 230 / 100 - 115 Frequency [Hz] 50/60 Power input [W] 2650	RS 232 interface	yes
Frequency [Hz] 50/60 Power input [W] 2650	USB interface	yes
Power input [W] 2650	Voltage [V]	230 / 100 - 115
• • •	Frequency [Hz]	50/60
Ident. No. 0004125000	Power input [W]	2650
	Ident. No.	0004125000