



designed for scientists



HBR 4 - LR control

/// Data Sheet

The heating bath features:

- Cylindrical bath shape
- Bath base integrated heating elements
- Bath fluid can be low-viscous oil (50 mPas) or water
- Working bath volume: approx. 4l
- Heat output: 1,000 W
- Two carry handles
- Infinitely variable safety temperature limiter (DIN 12877)



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- Double-jacketed protection prevents burns
- Digital display for set, actual and safety temperatures as well as speed
- Integrated stirrer drive for better heat distribution by circulating the tempering fluid
- RS232 interface
- Heating bath can be operated with an external temperature sensor for temperature control directly in the medium

Scope of delivery

- HBR 4 control
- PT 1000.61 Temperature sensor Ø 6 mm



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Technical Data

Heat output [W]	1000
Heating temperature range [°C]	room temp. - 200
Heat control	stepless
Controller oscillation (3 l water / 90 °C) [K]	±1
Controller oscillation (3l Silicone oil / 50mPas / 150°C) [K]	±2
Speed display	LCD
Speed adjustment	stepless
Speed range [rpm]	150 - 800
Motor rating input [W]	5
Motor rating output [W]	1
Filling volume max. [l]	4
Filling point min. [mm]	20
Material in contact with medium	stainless steel 1.4301
Adjustable safety circuit [°C]	50 - 210
Class designation acc. DIN 12876	II
Outer diameter [mm]	250
Inner diameter [mm]	200
Outer height [mm]	250
Inner height [mm]	160
Dimensions (W x H x D) [mm]	340 x 250 x 340
Weight [kg]	4.58
Permissible ambient temperature max. [°C]	40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	1020