

## Data Sheet

Heating/Tempering / Heating Baths



### HBR 4 digital Heating bath

The digital heating bath is characterized by the following features:

- Cylindrical bath shape
- High-grade recyclable materials
- The heating elements are situated underneath the bath vessel
- Either low viscosity oil or water can be used as the heat transfer fluid
- Useful volume of 4 liters
- Heat output 1,000 W
- Adjustable safety temperature limiter acc. to DIN 12876
- The safety elements are checked when the unit is switched on
- Double jacket and carrying handles provide protection against burns
- Digital display presents rated, actual and safety temperature as well as speed
- Fuzzy logic control
- Integrated magnetic stirring drive to circulate the tempering fluid, which contributes to improved heat distribution

Accessories: H 159 Intermediate bottom, H 11 Mains cable UK plug, H 11 Mains cable CH plug, H 11 Mains cable Euro plug, H 11 Mains cable USA plug, H 240 Ring set

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 control	stepless
Speed range [rpm]	150 - 800
Motor rating input [W]	5
Motor rating output [W]	1
Bath volume max. [l]	4
Filling point min. [mm]	20
Material in contact with medium	stainless steel 1.4301
Adjustable safety circuit min. [°C]	50
Adjustable safety circuit max. [°C]	210
Safety class DIN 12877	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]	4.4
Permissible ambient temperature max. [°C]	40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	1020
Ident. No.	0002602300