



designed for scientists



ICC basic IB R RO 15 pro

/// Data Sheet

ICC basic IB R RO 15 pro is an integrated temperature control and mixing system with 15 stirring positions for glass vessels up to 250 ml.

The system includes the ICC basic immersion circulator and the bath bridge BL.ICC as well as the pump connection set PDS.IB.R.RO with flow distributor for even temperature control of the stainless steel bath over the entire bath length. 15 laser markings make it easier to position the sample vessels in the bath.

- Max. temperature: 130 °C
- Bath opening (usable sample area): 489 x 313 x 98 mm



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- Immersion depth of the samples: 35-75 mm
- Stainless steel bath for magnetic stirrer RO 15, size L, 25 l volume
- Total external dimensions (depth/ width/ height) : 678 x 361 x 355 mm*

In order to achieve temperatures >80 °C in the bath when using water as a tempering medium, we recommend our floating balls made of PP.

*Technical data are related to the temperature control device included in the package.



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Technical Data

Appliance type	Compact immersion circulators
Class designation acc. DIN 12876	III
Identification according to DIN 12876	FL
Heat output [W]	2000
Working temperature [°C]	room temp. +10K @1000rpm - 150
Operating temperature min. (with external cooling) [°C]	-20
Temperature display	yes
Temperature control	PT 100
Working temperature sensor	PT 100
Safety temperature sensor	PT1000
Working temperature display	LED
Safety temperature display	LED
Temperature stability DIN 12876 [K]	±0.02
Display resolution [K]	0.1
Display for operation with ext. sensor	yes
Set temperature resolution [K]	±0.1
Warning function optical	yes
Warning function acoustic	yes
Warning function excess temperature	yes
Adjustable safety circuit [°C]	0 - 160
Sub-level protection	yes
Over-level protection	yes
Pump type	Pressure- / suction pump
Pump capacity adjustable	yes
Pump pressure max. (0 liters discharge flow) [bar]	0.3
Pressure pump (suction side) (0 liter flow) [bar]	0.2
Flow rate max. (0 bar back pressure) [l/min]	18
Bath depth min. [mm]	150
Calibration option	yes
Appliance fastener	clamp
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	145 x 340 x 200
Weight [kg]	3.75
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
Frequency [Hz]	50/60
Power input [W]	2100