

RCB-80 Ultra Low Temperature Liquid Bath

The RCB-80 is a mechanically-refrigerated bench top circulating bath that provides precise temperature control for a wide variety of applications and eliminates the cost and potential hazards associated with using dry ice or liquid nitrogen.

It offers a 4 liter bath capacity with an ultimate low temperature of -80°C. A built in magnetic stirrer, with variable speed control, provides excellent temperature uniformity and stability. A custom-fitted phenolic cover is standard with every unit when a probe holder is not ordered.

Features:

- 80°C ultimate low temperature
- 4 liter bath size
- Space-saving bench top design
- Built in magnetic stirrer
- RS-232 interface
- Low profile for easy bath access
- With optional probe holder is excellent for temperature sensor calibration
- Includes lid* and 2 gallons of bath fluid for -80 to 30°C operating range

*The lid becomes part of the probe holder when it is ordered

Applications:

- Temperature sensor calibration
- Biological slide freezing
- Tissue freezing
- Pour-point determinations
- Charpy impact testing
- ASTM plastic and metal tests
- Viscosity studies
- Circulation source of controlled temperature liquids
- Controlled-temperature reactions

Technical Specifications

Heat Removal (Watts/BTUs) @	+20°C	240/815
	0°C	220/750
	-20°C	170/580
	-40°C	150/510
	-60°C	110/375
Temperature Range°C		-80°C to 100°C
Stability @	-40°C	+/-0.02
	-80°C	+/-0.04
Bath Volume		4 liters
Cool down time to -80°C		90 minutes
Chamber Dimensions		
Diameter x depth (cm)		16.5 x 18.5
Display resolution		0.1 standard
Overall Dimensions		
W x D x H (cm)		48 x 61 x 33
Weight		86 lbs
Electrical		230V/50Hz/5A
		120V/60Hz/5A
Warranty		1 year parts and labor



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RCB-80 Probe Holder

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The RCB-80 Probe holder contains five tubes for sensors with diameters (3/8" max) specified by the customer.

Ordering Information

Model Number	Voltage	Product Code
RCB-80 Unit	120V, 60Hz	1040500
Probe Holder		7012747