



## 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 litre 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	-80°C to 100°C
Stability	-40°C	+/-0.02
	-80°C	+/-0.04
Bath Volume	Litres	4
Cool down time to -80°C	Minutes	90
<b>Chamber Dimensions</b>		
Diameter x depth (mm)	165 x 185	6.50 x 7.25
Display resolution	standard	0.1
<b>Dimensions</b>		
W x D x H (mm)	480x 610 x 330	19 x 24 x 13
Weight	kg	39
Electrical	230V/50Hz/5A	
	120V/60Hz/5A	
Warranty	1 year parts and labour	



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**RCB-80 Probe Holder**

## Accessory –FRCB80A Probe holder

The FRCB80A Probe holder contains five tubes for sensors with diameters (3/8" max) specified by the customer.

### Ordering Information

Model Number	Product Code	
RCB-80 Unit	230V 50hz	FRCB80D
RCB-80 Unit	120V 60hz	FRCB80P
Probe Holder		FRCB80A



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.