



## 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 litre 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
Dimensions		
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