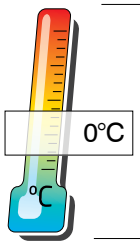

Stirred Ice / Water Bath
813

- 350mm Immersion Depth
- 8L Capacity
- 0°C created by stirred ice/water mixture

The most used temperature for calibration is 0°C.

The normal way of creating 0°C is via a mixture of ice and water in a Dewar Flask.

However, this can give errors of up to 4°C because water is densest at 4°C and so as the ice melts the temperatures at the bottom of the flask can rise to 4°C.

In the design of the ice flask offered by Isothermal Technology Ltd., these problems have been eliminated by stirring the water/ice mixture and segregating the ice from the water in the measuring zone.

This stirred ice/water bath is designed and built according to National Laboratory recommendations.

Using demineralised water, accuracies of ±0.005K are obtainable. Typically the bath will last for 4 hours before recharging with ice.

The ice is contained around and below the compartment where up to 4 probes can be placed for calibration or referencing purposes.

An option permits a water triple point cell to be maintained within the stirred ice bath.

Model	813
Accuracy using Demineralised water	0°C ±0.005K
Capacity	8 litres (approx.)
Depth of immersion	350 mm
Accuracy using comparison techniques	±0.001°C
Power	50W, 108-130 or 208-240VAC, 50/60Hz
Dimensions	Height 580 mm Width 420 mm (including handle) Depth 250 mm Weight 15 kgs

Options
814/01b Copper Equalising Block
814/02 Mercury Thermometer Support Kit
814-06-02 Small Water Triple Point Cell Kit

How to Order
813 Stirred Ice Bath
Please specify voltage required

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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