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Jill's Guide on

Water Baths

We have a great selection of water baths at SLS Select Education, ranging in size, quality and price.

PREMIUM WATER BATHS:

Clifton, Grant and SLS Lab Pro water baths are designed for general use and are economically priced without compromising quality. They are available in various sizes from 2L to 28L capacity across the range, and are for the immersion of flasks, bottles and racks in a stable temperature environment. The painted body has antibacterial protection, and the stainless-steel tanks are high quality and corrosion resistant. They have analogue or digital control panels, and an alarm system to prevent over heating. Some models are available as stirred or un-stirred baths, and some are supplied with lids. All of the models we supply have a 3-year warranty and are made in Britain.



IRWINWB10

The Irwin water bath has 4-8L capacity and is built around a Gratnells deep tray. It has a digital control panel, a temperature range of ambient to 100°C and also features a safety cut-out sensor. 4 litres of water gives the equivalent depth of 8 litres in other water baths which allows this bath to heat up quicker and use less water. The bath is light and easy to carry and store. Comes complete with a lid and Z type test tube rack.



BAT2833

The Clifton triple water baths have 3 independent temperature controlled water baths in one unit, which can be much more economical than purchasing 3 separate baths. These baths are suitable for small reaction vessels/test tubes at 3 different temperatures, which is perfect for many practicals, e.g. Enzyme Required Practical. The water baths are available in 2 different sizes, 2L and 4L per individual bath and feature the same build quality as the premium range we stock.



BAT0102

This water bath with digital display is designed for a maximum of 16 test tubes and has a 2.5L water capacity. The temperature ranges from ambient to 100°C.

The water bath is 270mm x 120mm x 190mm (L x W x H).

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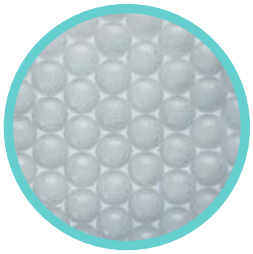
Tips and hints:

1. **Heat loss reduction systems** are recommended for water temperatures above 60°C and include lids, polypropylene insulation spheres and bath armor. Det ails of each are given below:



Lids

Lids reduce water loss during heating and can be removed during use. We have various types made to fit each water bath, i.e. hinged, lift off. Some of our water baths come with lids. Lid use is recommended if the bath is going to be used at 60°C or more to maintain the stability of the water temperature.



Polypropylene Insulation Spheres

A blanket of hollow spheres covers 91% of the liquid surface, trapping air in the gaps which adds to the thermal insulation properties and reduces steaming with no impedance to workload.



Clifton Bath Armor™

Bath Armor™ aims to tackle water contamination by utilising a dry, metallic thermal media comprised of small beads instead of water. Thermally efficient pellets that are easy to keep clean, Bath Armor™ eliminates nearly all water bath cleaning, protects the bath from drying out and avoids the need for racks, floaties and bottle weights. Bath Armor™ can be washed or sterilised.

2. **Prevent rust build up** in water baths by ensuring water baths are cleaned and dried properly after use and stored in a dry area.

3. **Ensure there is water in the bath before you switch it on,** to prevent the bath heating up when it is dry.

4. **Use a syphon or outlet tap** (some models come with these attached) to empty the water bath before you move it, to avoid spillages.