

Controller for Water Bath

Use With CH4240-001 Water Bath



CH4240-101

Description:

The plain Water Bath CH4240-001 can rest on a Hot Plate and the 'Simmerstat' of the Hot Plate can be used as the bath's temperature control. A thermometer must be used to monitor the bath water temperature.

However, for more accurate or for unattended work not requiring a thermometer, the IEC Temperature Controller CH4240-101 can be slid over the front edge of the bath to install a temperature sensor at the bottom of the bath. The controller plugs into mains power and the Hot Plate plugs into the socket from the controller. The cable for the socket is very short so that the socket cannot be placed into the water bath.

The plate is then controlled and cycles on and off to maintain an accuracy of about 3°C.

The water in a filled bath can be heated to about 80°C, but agitation of the water in the bath must be done manually to ensure even heating. Use of bath must be supervised.

To alter the rate of heating, the 'Simmerstat' control on the Hot Plate can be used to alter the total heat to be used and to provide further fine adjustment.

Thermostat controlled Hot Plates have a limited maximum temperature, therefore they will not quickly heat the Water Bath. It is best to use the 'Simmerstat' controlled model.

Caution:

Use of this bath **MUST** be supervised at all times. The controller senses the temperature of the bath surface and will stop the heating if it is a dry bath (sand etc.), but **NORMALLY** water is used in the bath and the water should at least cover the sensor.



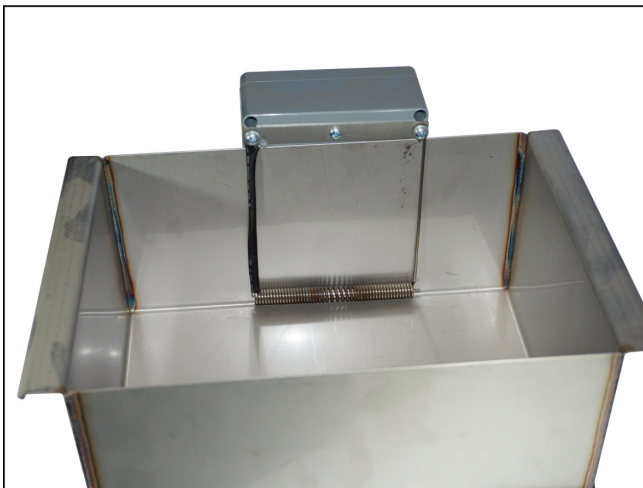
Temperature controller CH4240-101



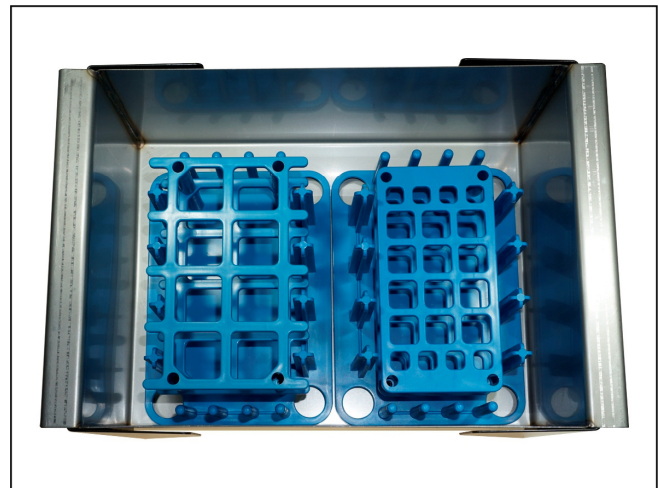
Fitted to Water Bath

Note:

The controller can be used on either the front or rear edge of the bath and the physical size of the Water Bath has been made to suit 2x standard IEC test tube holders.



View showing temperature sensor inside the bath at the lowest level.



Two IEC test tube racks CH3989-401 or CH3989-601 fit nicely inside the Water Bath.

'IEC' Non-floating Test Tube Racks:

CH3989-601 : Holds 8 x 25mm TUBES & DRYING PINS.

CH3989-401 : Holds 8 x 10mm & 12 x 16mm TUBES & DRYING PINS

Designed and manufactured in Australia