



OPERATION MANUAL FOR ICB-12



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OPERATING INSTRUCTIONS for IMMERSION THERMOSTAT

Model ICB-12

IMPORTANT SAFETY INSTRUCTIONS

WARNING

Do not heat any substances above temperature which will cause hazards of explosion, implosion or release of toxic or flammable gases arising from the materials being heated .

Do not use in the presence of flammable or combustible materials or explosive gases.

Do not use in the presence of pressurized or sealed container. Fire or explosion may result causing severe injury or death.

To avoid electrical shock, always use a properly grounded electrical outlet of correct voltage and current handling capacity.

The user has the responsibility for carrying out appropriate decontamination, if hazardous material is split on or inside the equipment.

When removing the cover of the bath, attention should be paid to sudden release of hot vapors.

Don't fill the bath up to the edge of the tank, in order to avoid damage of boiling water eruption.

Before using any cleaning or decontamination method, except those recommended by the manufacturer, users should check with the manufacturer that the proposed method will not damage the equipment.

The user shall be aware that, if the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

The instrument should be placed so that handy operation of the ON-OFF SWITCH is possible.

Before servicing, always disconnect the apparatus from the main electricity supply. All servicing must be done by a qualified service engineer.

The instrument should not be used where danger of explosion exists.

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Connect the instrument to a grounded mains outlet, after ensuring that the Voltage is the same as stated on the name plate.

The instrument must be connected to an earthed (grounded) supply.

Secure the Instrument to the Bath using the fixing bow.

Use only distilled or soft water, to avoid build-up of scale on the heating element. Do not use inflammable liquids.

The minimal water level must be about 3 cm above the holes near the pump housing.

The two spring clamps are intended for fixing of a reference thermometer.

Switch the instrument on, and adjust the required temperature by turning the knob, if there is a deviation, between the temperatures of the bath and the knob (after the temperature in the bath has settled), adjust the knob accordingly.

When the heating element is in action, the red pilot lamp lights in accordance with the switching of the thermostat..

The flow can be reduced by a clamp pressing a plastic or rubber hose fastened on the jet nozzle.

The circulation pump allows also the circulation of temperature controlled water to instruments outside the baths. In these instances it is imperative that the water is returned to the bath, preferably in the vicinity of the heating element.

SAFETY Model, the ICB-12 is equipped with an additional safety Cut-Off, preventing element burn-out, if the water level falls. To reset push the brown button on the rear of the instrument.

The instruments do not require any maintenance, except the periodic removal of scale on the pump and heating element. The pump housing can easily be cleaned by removing the three screws at the bottom of the pump housing. After removing the instrument from water, the pump should be placed downwards (to avoid water penetration).

SPECIFICATION

Temperature range : Slightly above ambient up to +1000CA with external cooling, this can be extended to up to 1000G.

Accuracy: approx. 10.500 at 37°C (depending on operating conditions).

Voltage : 220V, 50Hz (or 115V, 50/60Hz), 1000W