



General Safety Information

When installed, operated and maintained according to the directions in this manual and common safety procedures, your Water Bath should provide safe and reliable temperature control. Please ensure that all individuals involved in the installation, operation or maintenance of this Water Bath read this manual thoroughly prior to working with the unit.

Safety Recommendations

To prevent injury to personnel and/or damage to property, always follow your workplace's safety procedures when operating this equipment. You should also comply with the following safety recommendations:

WARNING:

- Always connect the power cord on this Water Bath to a grounded (3-prong) power outlet. Make certain that the outlet is the same voltage and frequency as your unit.
- Never operate the Water Bath with a damaged power cord.
- Always turn the Water Bath Off and disconnect mains power before performing any maintenance or service.

WARNING:

- Never operate the Water Bath without water inside. At least the water must cover the bottom plate, suggest to fill water to 1/3 or 1/2 of water bath.
- organization's procedures and practices regarding the safe lifting and relocation of heavy objects.

WARNING:

Always allow the bath fluid to cool to before draining.

General Site Requirements

Locate your Water Bath on a level surface in an area that is free from drafts and wide ambient temperature variations, such as near heater or air conditioning vents. Do not place it where there are corrosive fumes, excessive moisture, or in excessively dusty areas.

Avoid voltage drops by using properly grounded power outlets wired with 14 gauge or larger diameter wire and, if possible, be close to the power distribution panel. the use of extension cords is not recommended; this will reduce the potential for problems caused by low line voltage.

Electrical Power

	WARNING: The Water Bath's power cord must be connected to a properly grounded electrical receptacle. Make certain that this electrical outlet is the same voltage and frequency as your Water Bath. The correct voltage and frequency of your Water Bath is 110V
	CAUTION: The use of an extension cord is not recommended. If one is necessary, it must be properly grounded and capable of handling the total wattage of the unit. The extension cord must not cause more than a 10% drop in voltage to the unit.

Power On

1. Press . The actual bath temperature is displayed on the screen and the set point temperature is displayed on the lower readout. Both values are displayed to one decimal point. If the actual bath temperature is lower than the set point temperature, the unit will automatically begin heating.
2. Use the up and down buttons to adjust the the desired temperature. The range of temperature between 20-100°C/68-212°F

Keypad Controls

Power		Turns the Controller On and Off.
Selection		Used to increase/decrease temperature set point and other operational settings/values.





Routine Maintenance & Troubleshooting



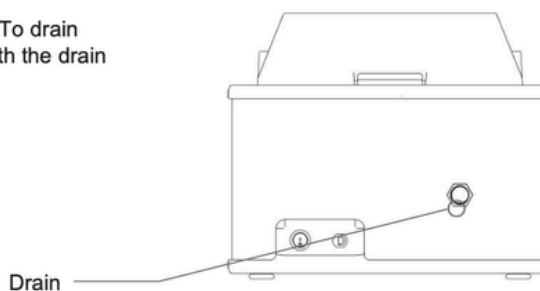
WARNING: Hazardous voltages may be present. Disconnect power before performing maintenance.



WARNING: Always allow the bath to cool to ambient temperature before performing any maintenance.

Draining the Bath Reservoir

Water Baths have a drain port located on the side of the unit. To drain fluid from the bath reservoir, place a suitable container beneath the drain port and remove the water.



Problem	Cause	Corrective Action
No display	No power to unit	Check that power cord is plugged into an operating electrical outlet.
	Mains Switch in Off position	Check that Mains Switch is in the On position.
No heating	Set point lower than bath temperature	Check set point temperature; increase as required.
	Water level in bath is too low	Check that water level is at least 2 inches (5.08 cm) above bottom of tank; add water as required.
Insufficient heating	Improper line voltage	Check that line voltage meets specifications.
	Recent change in set point or heat load	Allow sufficient time for bath temperature to stabilize when changes in heat load or set point are made.

Application Notes

For optimum results, maintain water level throughout the operating period, adding water as needed. Attempt to refill water at same temperature as bath.

This unit is designed for indoor use only with an allowable ambient temperature between +0°C to 40°C (32 to 104°F) and relative humidity not greater than 80%.

Contact us for more information or technical assistance. or visit www.yabinmedical.com.

WARNING: Do not operate unit with any potentially flammable materials, as a fire hazard may result.

CAUTION: Fumes from acidic solutions may cause corrosion of the stainless steel reservoir. Care should be taken to maintain a neutral pH at all times.

Warranty

Yabin medical warrants that this product will be free from defects in material and workmanship for a period of two (2) years from date of purchase. If a defect is present, Yabin will, at its option, repair, replace, or refund the purchase price of this product at no charge to you, provided it is returned during the warranty period. This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, or from ordinary wear and tear..