

**MODEL NO.: YSI-417****YSI WATER BATH INCUBATOR SHAKER**

—Metabolic Shaking Incubator

Desktop model designed for studies on tissue metabolism, Enzymes and Protein Coagulation or other experiments requiring shaking of subject matter at constant speed under controlled temperature environment.

The basic construction is double walled with 100% Leakproof inner chamber of thick polished Stainless Steel shut & has smooth inside working surface. The Outer Wall consists of thick CRC sheet which is duly degreased and pretreated to prevent rusting and finished with powder coating. The lid made of thick polished S.S. sheet prevent failing of condensed water droplets on the specimens. The space between the two walls is packed tightly with high grade glass wool to prevent loss of heat and ensure constant temperature. Heating is achieved by a high quality immersion type ISI Marked heater and temperature is controlled by Digital Temperature Controller cum Indicator from ambient to  $90^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ . The shaking mechanism comprises of variable speed motor fixed on the left side and coupled to the shaking tray which shakes linearly to and fro on ball rollers moving in guides which are greased for smooth motion.

The shaking speed can be controlled between 40 to 140 cycles per minute. The shaking tray can either hold test tubes or flasks of 25 ml or 50 ml or 100 ml capacity as ordered by the users. Front panel includes switches to ON/OFF mains, Shaking mechanism and Indicators. It also includes thermostat control knob, Speed control knob, and L-shaped thermometer to indicate the inside temperature.

## Size of Inner chamber:

W	x	H	x	D	Volume
275	x	275	x	75mm	6 liter
275	x	275	x	150mm	11 liter
400	x	300	x	75mm	9 liter
400	x	300	x	150mm	18 liter

## Spare Accessories :

- Shaking Tray for 25 or 100 ml conical flask or test tube rack
- Digital Speed Controller cum Indicator
- Digital Display RPM