

## WATER BATH SHAKER (METABOLIC SHAKER)

### APPLICATIONS & KEY FEATURES

Offers highest level of performance, flexibility and control for most demanding applications. Minimum Noise and vibration is ensured by Specially-designed shaking mechanism.

Electronically Controlled Shaking Mechanism provides Quiet Reciprocating Motion and Precise Speed Control.

User's Self-compensation function to control difference between real temperature and indicated temperature.

Stainless Steel Bath for superior Durability & High Thermal efficiency.

Industrial grade energy efficient heaters reduces power bills drastically.



### CONSTRUCTIONS

Double walled construction.

Space between the walls is filled with special grade mineral wool in order to avoid thermal losses.

Speed regulator is provided on the front panel to control the shaking motion.

MOC (Inner): Inner bath chamber and lid made of Stainless Steel (SS-304 grade).

MOC (Outer): Outer chamber is made of Mild Steel duly powder coated.

Bath has an oscillating tray riding on ball rollers oscillated through a geared variable speed motor.

Fitted with PMDC heavy duty motor for continuous operations.

Shaking tray can either hold test tubes or Erlenmeyer flasks of 25 ml or 50 ml or 100 ml or 250 ml or 500 ml, as ordered by the users.(Kindly mentions the capacity of the flasks while ordering).

Supplied complete with one shaking tray as a standard accessory.

Supplied with GABLED DOME LID for dripping of all condensate into the bath inside periphery

Fitted with THYRISTOR BASED DC DRIVE for speed range form 40 to 140 cycles per minute.

To work on 220 / 230 V. A.C. supply.

### TECHNICAL SPECIFICATION & ORDERING INFORMATION

#### WATER BATH INCUBATOR SHAKER DIGITAL MODEL

MODEL	APS#WBS-15	APS#WBS-20
Internal Dimensions (LXBXD)	275x275x150 mm	405x300x150 mm
Capacity	15 ltrs	20 ltrs
Heating Load	2.5 KW (2.0 KW + 0.5 KW)	
Temperature Range	Amb. +5°C to 100 °C	
Controller (OPTION)	Microprocessor based PID Digital Temperature Indicator-cum-Controller	

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	<p style="text-align: center;">OR</p> <p>Microprocessor based PID Digital Temperature Indicator-cum-Controller with Automatic Digital Minute Timer which start Automatically when set/desired value of temperature is attained. When the set time period is over the heaters fet switched off automatically and unit sounds a Buzzer alerting the user that the process is complete.</p>
Display	Digital LED with set value (SV) process value (PV)
Temperature Accuracy	+0.5 °C
Temperature Sensor	RTD (Pt-100)
Shaking Speed	40 to 140 cycles/minute
Diffuser Shelf	Heater protective perforated cover made of stainless steel
Regulator	Solid state electronic relay with protective heat sink

## OPTIONS

Spare shaking tray with lotus clamps or test tube rack.

Digital RPM/SPEED Meter

**Note: Customized Solution Available On Request**