

# WATER BATH

- WE MANUFACTURE LABORATORY WATER BATH USING LATEST TECHNOLOGY AND PREMIUM QUALITY RAW MATERIAL FOR ENSURING LONG PERFORMING LIFE.
- THESE ARE AVAILABLE AS PER THE REQUIREMENTS OF OUR CUSTOMERS AT COMPETITIVE PRICES.
- OUR RANGE OF WATER BATHS ARE USED IN VARIOUS INDUSTRIAL, CLINICAL, PHARMACEUTICAL AND BIOMEDICAL APPLICATIONS.

## WATER BATH- CONSTANT TEMPERATURE

- RECTANGULAR DOUBLE WALLED IN CONSTRUCTION.
- TEMPERATURE RANGE 5°C ABOVE AMBIENT TO 95°C, ACCURACY 2 C.
- FITTED WITH IMMERSION TYPE HEATER, DIGITAL TEMPERATURE CONTROLLER CUM INDICATOR.
- FITTED WITH CIRCULAR PUMP WITH STIRRER TO RE-CIRCULATE WATER AT CONSTANT TEMPERATURE.
- GLASS WINDOW PROVIDED IN THE FRONT SIDE FOR AN EASY INSIDE VIEW (OPTIONAL).
- INTER SPACE IN BETWEEN THE WALLS TIGHTLY PACKED WITH SPECIAL GRADE GLASS WOOL.
- TOP LID IS MADE OF STAINLESS-STEEL PLATE AND PROVIDED WITH HANDLE.
- HEATING ELEMENTS ARE CHROMIUM PLATED IMMERSION TYPE.
- TEMPERATURE CONTROLLED BY PRECISION THERMOSTAT.
- A MEDIUM SPEED STIRRER WITH 1/20 HP MOTOR IS FITTED TO THE UNIT FOR CONTINUOUS STIRRING AND THUS MAINTAINING UNIFORM TEMPERATURE THROUGHOUT.
- BUILT IN CONTROL PANEL ACCOMMODATE, INDICATING LAMPS, PRECISION THERMOSTAT
- ON/OFF SWITCH, SPEED REGULATOR TO CONTROL SPEED OF THE STIRRER.
- DESIGNED TO WORK ON 220/230 volts A/C SUPPLY



CODE		SIZE			Rating
Outer Mild Steel & Inner Stainless Steel	Outer & Inner Stainless Steel	Cm	Inch	Liter	Watts
WBCT-15	WBCT-15SS	30X25X20	12X10X8	15	1500
WBCT-14	WBCT-34SS	45X30X25	18X12X10	34	2000
WBCT-47	WBCT-47SS	45X35X30	18X14X12	47	2500

## WATER BATH-SEROLOGICAL

- DOUBLE WALLED THERMOSTATICALLY CONTROLLED INSIDE MADE OF STAINLESS-STEEL OUTER MADE OF S.S. / M.S. DULY POWDER COATED.
- GAP BETWEEN THE WALLS IS FILLED WITH GLASS WOOL.
- TEMP RANGE 5 C ABOVE ROOM TEMP TO 80°C WITH AN ACCURACY 2°C.
- WORKING ON 220-VOLT 50 Hz A.C. SUPPLY.
- RATING WATTS: 250/500.

CODE		Capacity	Liter
Outer M.S. Inner S.S.	Complete S.S.		
WBSERO-8	WBSERO-8SS	1 Racks	8
WBSERO-12	WBSERO-12SS	1 Racks	12
WBSERO-14	WBSERO-14SS	2 Racks	14
WBSERO-18	WBSERO-18SS	4 Racks	18
WBSERO-25	WBSERO-25SS	6 Racks	25
WBSERO-32	WBSERO-32SS	8 Racks	32



## WATER BATH RECTANGULAR (Single walled)

- Single walled complete made of stainless steel.
- Lid will be supplied with 6/12 Holes at 3 dia with concentric ring.
- Temp. upto 99.8°C

CODE	SIZE in Cm	Rating K.W.	No. of Holes	PRICE
WBRW-6	35x25x10	1.0	6	5,200
WBRW-12	40x30x10	1.5	12	6,500

## WATER BATH RECTANGULAR (Doubled walled)

- Doubled walled inner made of S.S & outer made of mild steel powder coated/S.S.
- Temp is controlled by thermostat.
- Lid will be supplied with 6/12 holes at 3 Dia with concentric rings. Temp. upto 99.8°C

Outer M.S. Inner S.S.	Complete S.S.	Size	Liter	Rating K.W.	No. of Holes
WBRDW-9	WBRDW-9SS	35X25X10	9 L	1.0	6
WBRDW-12	WBRDW-12SS	40X30X10	12 L	1.5	12



- Double walled chamber, inner made of Stainless steel and outer fabricated out of S.S / cold rolled mild steel sheets duly finished in attractive powder coat paint.
- Pyramidal lid is also made of stainless steel / Acrylic prevents falling of condensed water droplets on the specimens.
- The inter space between the two walls is tightly packed with special grade glass wool in order to prevent thermal losses.
- Immersion type heater achieves heating.
- Digital temperature controller controls the temperature with an immersion type heater achieves heating.
- The bath is provided with an oscillating tray riding on ball rollers oscillated through a PMDC gear variable speed motor.
- The shaking tray can either hold test tubes or Erlenmeyer flasks of capacity 25 ml or 50 ml or 100 ml or 250 ml or 500 ml or 1000 ml as ordered by the users.
- Designed to work on 220/230 volts a/c.
- Temp 5°C above ambient to 95°C.
- Temp accuracy  $\pm 1^\circ\text{C}$  controlled by PID digital.
- Speed 40 to 150 RPM controlled by electronic speed.
- Supplied complete with one shaking tray, cord and plug, S.S. Pyramid lid with supplied 1 tray but without flask

CODE		Tray Size	Inner dimension LXBW
Inner S.S. and Outer M.S	Complete S.S.		
SWB-8	SWB-8SS	8x250ml	30x30x16 Cm
SWB-12	SWB-12SS	12x250ml	40x30x16 Cm

## OPTIONAL ACCESSORIES:

SWBA-1	Digital temp. Indicator
SWBA-2	Digital Temperature Controller cum Indicator
SWBA-3	Microprocessor PID Digital temp. Indicator- cum- controller with timer
SWBA-4	Imported Thermostat "EGO"/" JUMO" German with the accuracy of $\pm 0.5^\circ\text{C}$ .
SWBA-5	Stirrer with high speed motor with stainless stirring rod and blade
SWBA-6	Pyramid Lid
SWBA-7	Shaking tray for 25ml, 50 ml, 100ml. 250ml & 500 ml & 25mm dia. For SHAKING WATER BATH only
SWBA-8	Shaking tray for Test tubes For SHAKING WATER BATH only



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## Golden Parameters

### Water Bath Chamber Dimensions, Capacity and Construction:

- Water bath Chamber Capacity: 2 to 4 liters
- Chamber Construction: Double wall rectangular chamber with mineral wool/solid insulation material filling in between
- Material of Outer Chamber Construction: Epoxy coated/ Powder coated mild steel
- Number of racks provided with Water bath unit: 0
- Number of 75 mm diameter Holes provided: 0

### Heating Arrangement Parameters

- Heating Capacity ( $\geq$ ): 800 watt

### Control Panel and Display Unit

- Control Panel has: On/Off Switch, Power mains Indicator, Temperature controller, Shaking Controller (if water bath has shaking facility)
- Adjustable shaking frequency in rpm: 20-200
- Type of Temperature controller: Digital controller cum Indicator PID Based control
- Water bath Display type: LED
- Integrated circulation pump for temperature homogeneity: No
- Removable bottom plate and shaking inserts: No

### Water bath Temperature

- Temperature range of bath chamber:  $5^{\circ}\text{C}$  above ambient to  $90^{\circ}\text{C}$ ; Control sensitivity:  $0.5^{\circ}\text{C}$  or better
- Least temperature increment Step available: 1-degree C
- Temperature Accuracy:  $\pm 1^{\circ}\text{C}$  or better
- Safety Features: Over temperature Alarm & cutoff

### Power Requirement, Certifications and Warranty

- Power requirement: 220 V 50 Hz Single Phase AC
- Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification: No
- Equipment has CE certification: Yes
- Warranty Period: 3 Year

**Timer Unit :** Timer Provided: Yes; Timer Setting (minimum increment step): 0 second

### Miscellaneous Features

- Drain plug in Chamber provided: No
- Data Logging facility through (RS 232/USB/HDMI/Bluetooth etc) to computer available: No
- Drain screw for emptying of water bath: No
- Seamless and waterproof keypad: No

### Water Bath Chamber Dimensions, Capacity and Construction

- Chamber Length of offered product: 355; Width: 355; Depth: 250
- Material of inner Chamber and lid Construction: Stainless Steel (SS 304)
- Weight (kg): 8

### Heating Arrangement Parameters

- Heat source: Heating shall be done by a immersion heater.
- Power Requirement, Certifications and Warranty
- Manufactured by ISO 9001:2008 or latest certified firm: YES
- Cover
- Lid/cover Provided: Yes
- Shape of Cover: NA

### Miscellaneous Features

- Steel holder for tubes and Flasks provided: Yes

CODE	Tray Size	Inner dimension
Inner S.S. and Outer M.S.	LXBXW	
SWB-8	8x250ml	30x30x16 Cm

