



# METABOLIC SHAKER

MODEL NO. - ACM-54003- Q

# METABOLIC SHAKER

We are manufacturers of Metabolic Shakers, Incubator shaker or orbital shakers in India since 1990. Our incubator shakers are widely used for day to day bacteriological and varied laboratory applications requiring incubation as well as shaking tests and procedures in variety of research and testing laboratories.

We specialize in both standard and customized models, specifically designed to meet the challenging demands of various scientists for individual and specialized research applications. Over a short period of time Weiber brand have been established as reliable exporters of Incubator Shakers in India, catering to the vast markets in South East Asia, Middle East, Africa and Europe.

Apart from that we are supplying our Incubator shaker in India , catering to a variety of customers ranging from Defence Installations, Research Laboratories, Educational Institutes and various R and D laboratories of leading national and multinational companies.

## Salient Features of Metabolic Shaker

- Versatile usage
- Ergonomic Design
- Energy Efficient
- Long life
- Low Maintenance
- Calibration And Protocol Documentation



## Construction

Outer body of our incubators are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our metabolic shaker. The pyramid cal lid made of S.S. prevents falling of condensed water droplets on the specimens.

### Heating

Indirect heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

### Cooling (Optional)

An energy efficient cooling unit is installed in our metabolic shakers to enable various laboratory studies at lower room temperatures. We use ISI marked high end CFC free compressors of Kirloskar/Tecumseh make, conforming to latest international standards and guidelines.

### Shaking

The bath has an oscillating tray riding on ball rollers oscillated through a geared variable speed motor. Shaking speed range is between 40 to 140 cycles per minute. The shaking tray can hold Erlenmeyer flasks of 25 ml or 50 ml or 100 ml or 250 ml or 500 ml or 1000 ml. (Kindly mention the capacity of the flasks while ordering).

### Temperature Range

Regular Model: 5°C above ambient temperature to 100°C

Deluxe Model: 5°C to 100°C

### Temperature Control

The temperature of the metabolic shaker is effectively controlled by a micro-processor based programmable controller with an accuracy of (+ 0.4°C or better)

### Power Requirement

To work on 220-230 Volts 50Hz AC Supply.

### Inside Size

(a) 275x275x75 mm

(b) 275x275x150 mm

(c) 405x300x150 mm



An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485  
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