



Water Bath Incubator Shaker (Metabolic Shaker)

METABOLIC SHAKER



Models:
Acm-54003- Q

METABOLIC SHAKER



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 either hold test tubes or 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: 50C above ambient temperature to 1000C
Deluxe Model: 50C to 1000C

Temperature Control

The temperature of the metabolic shaker is effectively controlled by a micro-processor based programmable controller with an accuracy of (+ 0.40C or better)
Power Requirements:

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



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ACMAS TECHNOCRACY PVT. LTD.

SALES OFFICE (INDIA)

312-313, Vardhman Capital Mall, L.S.C. 10, GulabiBagh, Delhi-110052, INDIA

Tel: 0091-11-23646703, 23643054

(M) +91-9313971681 | Email: india@acmasindia.com

SALES OFFICE (HONG KONG)

Unit D 28 11/f Wing Tat Comm, Bldg 97, Bonham Strand East, Sheung Wan, HONG KONG (PRC).

Tel: 0086-13929598046 | 0086-18922303099

Email: hk@acmasindia.com

SHOWROOM

141, Rai Industrial Estate, Rai, Sonapat, Haryana-131029, INDIA

Tel: 0091-0-9312219738 (M) +91-9717741167

Email: info@acmasindia.com

SALES OFFICE (RUSSIA)

Inmed Trade Street, Ozerkovsky Embankment, Unit No 50 Straine-1, Off-502, Moscow, RUSSIA

Tel: 0049-79592345 | Email: russia@acmasindia.com