

Testing Equipments

Orbital Shaker



- Maharashtra Lab Equipments make Orbital Shaking are used in medical, Pharm, Defense, R&D institution etc.
- Special mechanical orbital shaking assembly with a displacement up to 20..25 mm, & Speed upto 50... 150 RPM.
- Aluminum platform with acentric crank assembly for displacement .
- Sufficient Light Intensity for tissue culture or plant growth cycle.

MLE's Orbital Shakers are Compact, affordable, and yet versatile shakers with interchangeable platform design accommodates various types and sizes of vessels and suitable for use in chambers. Two types of shaking motions (orbital or reciprocating) A wide selection of models to choose by: - Shaking motion: orbital or reciprocating. Speed: 50...250 rpm max. Amplitude or displacement : 7, 13, 19, 25 mm.

Orbital Shaking Incubators (CIS - 24 BL) are specifically designed to have combined advantage of closely controlled incubation/storage-temperatures with orbital shaking necessary for many laboratory procedures such as tissue cultures, fermentation studies, enzyme reactions, controlled Incubation and aging tests, growth studies etc. Incubator Shaker model CIS-24 BL incorporates hermetically sealed compressor housed below the incubator to provide temperatures below ambient.

Brushless Induction drive motor with frequency drive makes the unit suitable for continuous non-stop operation. Stepless electronic frequency control ensures gentle start and maintains preset speed. Compact counter balanced drive mechanism ensures high stability and reliability even in continuous operation & uneven load distribution.

Thermal Shock Chambers



Hot / Cold transfer system, Model : Vertical & Horizontal.

- Maharashtra Lab Equipments make Thermal Shock Chambers are used in automobile, Electronic, Electrical, Defense, R&D institution etc.
- High temperature chamber.
- Preheating temperature range ambient to + 200 °C. About 25 minutes.
- Low temperature chamber.
- Pre cooling temperature range -40... To -70°C. About 120 minutes.
- Microprocessor based PLC controller with inbuilt memory, communication software with windows xp support, electric screw drive lifting arrangement.

This MLE's Thermal Shock Chamber are designed to provide two opposite extreme temperature environments for temperature cycling, and thermal shock testing of electronic components. Thermal shock testing is achieved by quickly and repeatedly transferring a specimen between a hot compartment and a cold compartment by means of manual or an automatic carriage transport system. Thermal Shock chambers test the resistance of electronic components and assemblies to sudden and severe temperature changes. In addition to the popularly sized 2 ft³ and 8 ft³ (50 & 216 ltrs) thermal shock chambers capacity. Temperature ranges from –70°C to 200°C.

Thermal shock is a method of environmental testing that subjects a product to alternating extremes of high and low temperatures. Thermal shock testing allows for the observation of changes in product characteristics and failure occurrence caused by different materials and their thermal expansion coefficients. A thermal gradient difference in the different parts of the object expands by different amounts and can cause cracking and failure. SESS thermal shock and thermal stress chambers have been designed to operate in accordance with reliability programs, quality control, commercial test programs and military tests including MIL-STD 202, 883, 810 and JEDEC.

Leak Test Chamber



Maharashtra Lab Equipments make Leak Test Chamber are used in Medical, Pharm, Oil & Petroleum, Defense, R&D institution etc.

Leak Test Apparatus are widely use for leak test of Capsule packing in pharm. industries & similar application to check leakage or air trap between any Specimen under test for leakage.

A special Oil Filled chamber with clear glass are also available for leakage test. viewing test sample for leakage of air under vacuum.

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MLE's Leak Test Apparatus are widely use for leak test of Capsule packing in pharm. Industries & similar application to check leakage or air trap between any Specimen under test for leakage.

Along with our array of supreme quality products, we also manufacture and supply high quality Leak Testing Machine. These leakage testing machines are very convenient to use as highly reliable machine for thoroughly checking industrial products such as rubber hoses and many others for any leakage. Our leakage testing machines are very easy to use and offer unmatched quality performance. These leakage testing machines are very convenient to use as highly reliable machine for thoroughly checking industrial products such as rubber hoses and many others for any leakage. Furthermore, our premium quality leakage testing machines are available to our clients at very reasonable range of prices.

Features

- Supreme quality
- Rust proof
- Convenient to use
- Excellent functionality.

Tergotometer



The “Maharashtra Lab Equipments” Tergotometer is a versatile laboratory scale multiple washing machine Which simulates the action of a domestic washing machine for testing of textile samples prior to any analysis for colour & detergent.

The Tergotometer combine Three to Eight miniature washing machine simulators within a single bench top instruments allowing samples to be processed simultaneously under identical conditions of speed, time and temperature.

Temperature range : +10...80°C, RPM 50...150 .

The “MLE” Tergotometer is a versatile laboratory scale multiple washing machine which simulates the action of a domestic washing machine for testing of textile samples prior to any analysis for color. The Tergotometer combine Three to Eight miniature washing machine simulators within single bench top instruments allowing samples to be processed simultaneously under identical conditions of speed, time and temperature. Temperature range: +10...80°C, RPM 50...150.