

ENVIRONMENTAL CHAMBER



MODEL : MEC

TECHNICAL SPECIFICATIONS

These Environmental Test Chambers can satisfy a variety of environmental conditions. They are especially suitable for the simulation of fixed temperature and relative humidity values above freezing point. Constructed of double walls, the exterior is made of sheet steel, the interior of stainless steel 304. A flush fitting insulated door has leak proof gasket. The shelf position of trays is adjustable. The rear chamber of the interior is fitted with a refrigeration evaporator, heater and powerful air circulating fan to create a positive air flow through the chamber. A hermetically sealed ISI mark, CFC Free compressor below the chamber provides temperatures below ambient. The same compartment houses a boiler with an immersion heater and water level controller for creating humidity. Safety circuit which cuts of system and stops unit in case of malfunction of Controller. Audio Visual alarm with cut out for low water level. The control panel comprises of ON/OFF switches, Microprocessor based Digital Temp. Indicator & Humidity Indicator-cum-controller (Direct display of Humidity in % RH), indicating lamps and protective fuses.



MODEL : MEC-10

STABILITY CHAMBER

MODEL : MSC

Same as above but with-

The chambers have outer body of SS 304 (dull finish) and inner chamber of SS 316

Validation protocol for IQ, OQ, PQ as per ICH guidelines

Model	Volume (cu.ft.)	Inner Chamber H x W x D mm	Trays	Temp. Range & Accuracy (°C)	Humidity Range & Accuracy [%RH]	Voltage Stabiliser
N.F.D.7ION TD.7	7	941y!616!y!526	4	21'D.71'D ₁ 1/6'D	56& !.!: 6& _4&	3!L WB
N.F.D.21ION TD.21	21	986y!681!y!661	4	21'D.71'D ₁ 1/6'D	56& !.!: 6& _4&	4!L WB
N.F.D.23ION TD.23	23	: 11y!761!y!691	4	21'D.71'D ₁ 1/6'D	56& !.!: 6& _4&	4!L WB
N.F.D.26ION TD.6	26	: 11y!811!y!761	4	21'D.71'D ₁ 1/6'D	56& !.!: 6& _4&	5!L WB

Supply : 220 Volts, 50 Hz, single phase AC supply.

OPTIONAL : (for MEC & MSC both)

Chamber illumination with 3 nos. fluorescent tubes of 60 cm length placed vertically along the black wall. Separate ON/OFF switch for tubes and min. temp. can be obtained from 10 to 50°C when all the Tubes are ON. With Timer 0-24 hours for regulating cyclic illumination condition fixed on the top of the chamber.

Data logger with LCD display having memory to store 1 Lakh records of temp., humidity (%RH) & time. The data can be copied on pen drive & viewed on excel sheet on computer.

Surge tank of capacity 100Ltr. made of plastic having water circulation pump & automatic water filling arrangement to fill the humidity tank automatically. This ensures uninterrupted operation of the chamber for 4 to 5 days.



MODEL : MSC-10

LABORATORY REFRIGERATOR /COLD CABINET

MODEL : MCR-12

TECHNICAL SPECIFICATIONS

These cabinet are designed for storing of culture, specimen & reagents in laboratories.

Inside made of Plastic with adjustable shelves.

Frost Free chamber. Outer body GI Powder Coated

Full View front vacuum glass door.

Microprocessor Digital Temp. Indicator cum controller

Temperature Range and Accuracy 0°C to 12°C

Capacity: 100/300/400 lt.



MODEL : MCR-12