GTI-004
CO2 INCUBATOR

CONSTRUCTION AND SALIENT FEATURES

One chamber CO2 incubator with work chamber volume approx. 150 liters.

- Air jacketed heating system (not direct heating system) with temperature control by microprocessor
- Temperature Range from ambient ±3°C to ±55°C
- Temperature Deviation with respect to time is ±0.1K
- CO2 control by Microprocessor based and by heat resistant Thermal Conductivity detector to withstand heat of decontamination
- CO2 range 0 to 20% or better and CO2 accuracy ±0.1% by volume, CO2 recovery time for 5% CO2: less than 5 min
- The System shall be having Interactive Control with Touch Screen.
- Fast Recovery time for temperature, CO2 and Humidity.
- Temperature recovery time at 37°C: 10 min.
- Humidity recovery at 95% RH _20 minutes.
The System shall be having built-in automatic decontamination facility to remove bacteria, fungi, spores, mycoplasma etc. without removing sensor, fan or any other fitting.

The system would employ automatic decontamination routine at moist heat of 90°C or dry heat of 180°C.

At least 3 numbers stainless steel perforated shelves would be supplied.

Interior chamber would be made of stainless steel with electro polish finish to have highest quality of inner surface with rounded corners on all sides for easy cleaning. No plastic should be inside to avoid VOC.

Built-in audible and visual water level alarm would be available when the water reservoir needs to be refilled to ensure a constant high level of humidity.

Suitable for 230 V, single phase 50 Hz operation.

Suitable servo voltage stabilizer with high voltage low voltage cut off circuit, auto reset with delay timer and spike eliminator etc. and double stage CO2 pressure regulator with stainless steel diaphragm.

It would be include 3 numbers of 18 Kg or more CO2 Cylinders with regulators.