

Specifications for CO₂ Incubator:

- Chamber Volume: 150 liters
- Interior Dimensions: 470mm(W) x 607mm(H) x 530mm(D).
- Electrical: 230V / 50Hz
- Temperature Range: +3°C above ambient to 55°C
- LED Display panel mounted.
- PID Microprocessor Controller 0.1 C
- Uniformity: +0.6°C @ 37°C
- Corrosion resistant, stainless steel interior with electropolished finish.
- 304 stainless steel chamber with 3 standard shelves.
- CO₂ Sensor: Long service life thermal conductivity (TC) in-chamber.
- CO₂ Range: 0-20%
- Relative Humidity Range: ambient to >90 %
- Water Reservoir: integral, rapid recovery pan-less water trough (3L capacity)
- Heated outer door and focused cold - sink for condensation protection
- 42mm access port, RS-232 Data outputs.
- System should have fully automatic 90°C decontamination cycle assuring reliable, uniform decontamination routines with all sensors and fixtures in place (24 hr cycle) convenient push button operation and a cycle indicator
- System should have fan assisted directed active airflow distribution system to insure uniformity of environmental conditions without desiccation.
- It should have direct heated humidity water reservoir to optimize humidity levels to 90% and provides quicker recovery response.
- System should have direct heating temperature control system incorporating high efficiency heating elements on each outer side of the culture chamber.
- It should have independent over temperature protection with independent temperature sensor to insure stability in the event of primary system failure.
- System should have unique auto - start function facilitating easy installation and start up, with automatic calibration and system optimization.
- Must be CE certified. Copy of certificate from OEM must be attached.

- Material of Construction document (provided from OEM) must be attached.
- Must include 3 years warranty (from the date of installation) by OEM.
- Must be supplied with two CO₂ cylinders with 30kg Gas (Gas Purity \geq 99.97%, certificate from manufacturer must be attached), one regulator (two stage brass regulator) & one 3KVA Servo stabilizer (Make : ITA/DEYTRONIC/BLUEBIRD)

Note for technical bid:

Specifications are basic essence of the product. It must be ensured that the offers must be as per our specifications. At the same time, it must be kept in mind that merely copying specifications in the quotation shall not make the parties eligible for consideration of quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected/supported by the printed technical leaflet/literature. The specifications asked invariably be highlighted in the leaflet/literature enclosed with the quotation and relevant page no. to be mentioned in technical compliance. Non-compliance of the specifications shall be treated as incomplete/ambiguous and the offer can be ignored without giving any opportunity for clarification/negotiation etc. to the quoting party.

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21/4/21

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