



Perfect Blend of Quality & Technology

BOD INCUBATOR



S.R LAB INSTRUMENTS

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B. O. D Incubator (Cooled Incubator)

Temp. Range : 5°C to 60°C Accuracy : +/- 0.1°C to +/- 0.5°C

Applications :

These equipments are primarily designed to meet the requirements of Biochemical Oxygen Demand tests, it can also be used in applications like incubation serum studies, study of enzymatic digestion processes, tissue culture, preservation of vaccines, long term sample storage, fruit fly cultivation, immunological works etc.

Construction :

Tripple walled, exterior of CRCA/GI non-contaminant epoxy powder coated & interior of AISI S. S 304, with PUF/ Glasswool insulation. An inner full view acrylic door & outer double walled metal door with PUF/ Glasswool insulation, magnetic catch & locks.

Circulation :

Forced air circulation to ensure uniform temp.

Heaters :

S. S 'U' type tubular nichrome wire heater with S. S sheathing.

Refrigeration System.

CFC Free hermetically sealed compressor provides temperatures below ambient conditions.

Temp. Control

A solid state Digital controller housing all the controls with PT-100 sensors.

Interior Illumination :

Flourescent lights are provided for viewing with door switch.

Optional :

For increased utility in Bacteriology, Biology, Virology, Oceanography, Water Pollution, Sewage, Agriculture, Food research, Physiology, Immunology, Radiobiology & Allied Laboratories, this incubator can be provided with following features at extra cost. Fluroescent interior illumination with Cyclic system, shaking platform for flasks & glassware with speed controller, Temp & Humidity system, carbon dioxide + air mixture injection inlet.. GMP models / Complete S. S unit , Microprocessor based PID temp. Controller with printer interface (Centronic Port) PC interface with RS 232 CPC / RS-485 for multiple networking of controller. Profile controller for Ramp / Soak for cyclic applications etc.

Validation Protocols :

DQ, IQ, OQ & PQ Protocols with complete documentation & certification traceable to National & International Standards.

Safety Features :

Built-in temp. deviation audio/visual alarm. safety thermostat for over shoot temp. cut off safety circuit to cut off the whole system in case of malfunction (Only applicable in microprocessor based models). HRC fuses for compressor heaters & mains, time delay circuit for safety of compressor etc.

Special Care :

A suitable K. V. A Servo Controlled Voltage Stabilizer is strongly recommended

TECHNICAL SPECIFICATION

Model BCI-13	Size In Cu. Ft	Internal Dimension In cms	Capacity In Ltrs	No of Shelves
BCI -A	3	40 x 40 x 57	90	2
BCI -B	6	50 x 50 x 70	175	2
BCI -C	10	57 x 57 x 88	285	3
BCI -D	12	60 x 60 x 95	340	3
BCI -E	16	70 x 70 x 95	450	4

Due to continuos development & improvements in design, we reserve the right to change the specification without notice.