

PLE 103 B.O.D. INCUBATOR



Pooja B.O.D Incubator is one of its kinds that include both heating and cooling systems with digital temperature control and high quality cabinet construction. All controls and refrigeration systems are mounted on top of the unit for better viewing and easy accessibility during service/maintenance. Choose from five models size in non-GMP and GMP version. The temperature ranges from +5°C to 60°C ± 0.5°C.

B.O.D incubators are primarily designed for a range of applications include:

Shelf life and life cycle testing, General incubation, Refrigerated storage, BOD and COD determination also can be used in applications like Incubation of serum studies, study of enzymatic digestion processes, tissue culture, preservation of vaccines, long term sample storage, fruit fly cultivation, Immunology work, etc. Full access to samples without any hassle.

INCUBATOR SYSTEM:

- Positive airflow systems
- Industrial quality cabinet construction
- Extra strength CFC-Free hermitically sealed Kirloskar Copeland make refrigeration compressors selected for industrial, clinical, and scientific use.
- Enhanced mechanical air convection for consistency and control of temperature, and to save space, motor and air circulation fan is fitted inside the incubator to avoid extension at back.
- To maintain gentle airflow in the product area, a uniform air distribution system sweeps the incubator walls, thereby maintaining steadiness in environment.
- For long-life and efficient heating, U shaped SS jacketed heating element is provided and an automatic over temperature limit prevents excessive temperature and likely damage to the workload or equipment.
- Higher capacity industrial cooling system provided with hermitically sealed super performance and trouble free compressor of Kirloskar Copeland (CE approved) coupled with air-cooled condenser and forced air evaporation using latest CFC FREE refrigeration technology.

- GMP models with IQ, OQ, PQ, & DQ documentation complete with reports, calibration and test certificate.

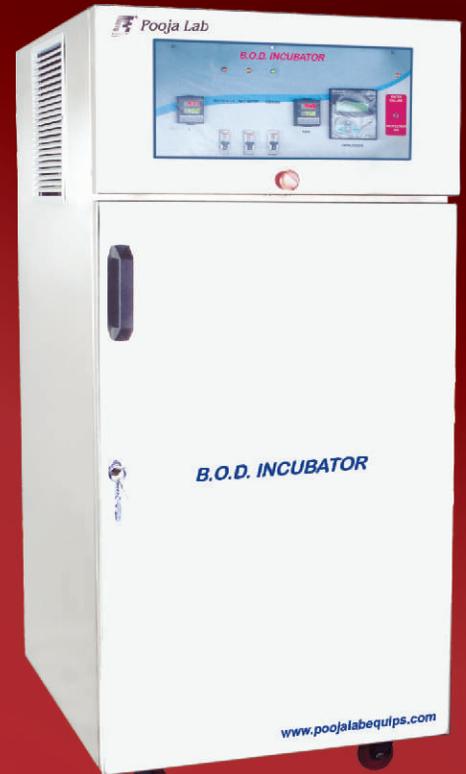
CONTROL SYSTEM:

User-friendly digital temperature controller coupled with PT-100 sensor allows user to select and set desired temperature within the range. Audio / Visual warning on high limit / low limit deviation.

CABINET CONSTRUCTION:

MOC in non-GMP interior and shelves are corrosion resistant SS-304 mirror finish and exterior is MS powder coated. In GMP interior and shelves are SS-316 mirror finish and exterior is SS-304 mat finish.

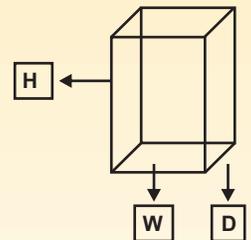
- Thru-wall validation port with rubber bush. 2 Nos of perforated trays provided with unit.
- Non-conductive inner doors allow access to individual compartments, thereby minimizing cold air loss in the unopened compartments.
- Double walled metallic insulated external door is provided with full gasket, lock and key. The interior of the main door is made of non-conductive material and the keyed door is for improved security.
- The gaps between inner and outer walls are insulated with 3" (7.62 cm) thick high density CFC free PUF that ensures absolute insulation and energy conservation.
- For easy mobility the unit is mounted on heavy duty caster wheels.



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Model No.	Capacity Ltrs/cu. ft	Outer Door	Interior dime. W x D x H inches/mm	External dime. W x D x H inches/mm
BOD-01	092/03.22	1 No.	17.72 x 17.72 x 17.72 (0450 x 0450 x 0450)	23.72 x 28.72 x 39.72 (0602 x 0729 x 1009)
BOD-02	176/06.18	1 No.	19.68 x 19.68 x 27.56 (0500 x 0500 x 0700)	25.68 x 30.68 x 49.56 (0652 x 0779 x 1259)
BOD-03	274/09.61	1 No.	21.65 x 21.65 x 35.43 (0550 x 0550 x 0900)	26.65 x 32.65 x 57.43 (0677 x 0829 x 1459)
BOD-04	326/11.44	1 No.	23.62 x 23.62 x 35.43 (0600 x 0600 x 0900)	28.62 x 34.62 x 58.43 (0727 x 0879 x 1484)
BOD-05	510/17.89	1 No.	24.00 x 28.00 x 46.00 (0610 x 0711 x 1168)	29.00 x 39.00 x 70.00 (0737 x 0991 x 1778)

The above models are our standard models. We can make higher capacities also according to customers requirements



PRE INSTALLATION REQUIREMENTS:

- Stabilized 230V 50Hz AC single-phase 15amps power supply with MCB and proper earthing within the radius of one meter from the installation
- To be installed in an air-conditioned or in a cross ventilated, dust free and clean environment with free space around. (Room temperature should be below 30 deg. C)
- Zero level flooring and Floor level drainage within the radius of one meter from the installation.

OPTIONAL ACCESSORIES:

- Imported Microprocessor based PID digital controller with dual display for showing SET value and PROCESS value, which give an accuracy of 0.2°C.
- Printer interface facility to record on 80 col. dot matrix printer set value, actual value, date and time with variable print interval supplied without printer (The facility can provide only with PID controller)
- 80 col. Dot matrix printer with stand
- Safety alarm system for external hooter in case of temp. Overshoot
- Multi-channel temperature scanner, sensors, dot matrix printer interface and data storing facility
- PC interface communication card to use with for the imported control system. (Hardware for each chamber)
- Window based software for Data Management
- 2/3 wire shielded cable
- Additional Trays
- Standby refrigeration system in case of regular system fails complete with controller for Model No. BOD- 04 & 05
- Chamber illumination.

OTHER PRODUCTS INCLUDES:

- Chromatography Refrigerator
- Pharmaceutical Refrigerator
- Ice Flaker
- Plant Growth Chamber
- Stability Chamber
- Freezer cum Refrigerator
- Photo Stability Chamber
- Deep Freezer minus (-) 80°C in vertical or horizontal
- Deep Freezer minus (-) 40°C in vertical or horizontal
- Deep Freezer minus (-) 20°C in vertical or horizontal
- Incubator Rotary Shaker with cooling & heating
- Vacuum Oven
- Cryostat Bath (Chiller)
- Plasma Freezer cum Blood Bank Refrigerator
- Vertical bacteriological Incubator
- Vertical Laboratory Oven
- Mortuary cabinet (single or multi body)
- Walk-in Stability Chamber
- Walk-in Cold Chamber / room.

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Pooja Lab Equipments

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Due to continuous R & D, we reserve the right to change the specifications, dimensions, layout and price without prior notice.