

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 onto 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 hermetically sealed 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 work load or equipment. Higher capacity industrial cooling system provided with hermetically sealed super performance and trouble free compressor coupled with air-cooled condenser and forced air evaporation using latest CFC FREE refrigeration technology.

GMP version 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 alarm on high limit/low limits deviation.

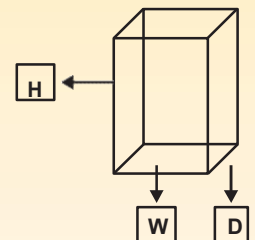
CABINET CONSTRUCTION:

MOC in non-GMP version inner chamber and shelves are corrosion resistant SS-304 mirror finish and exterior is MS powder coated and in GMP inner chamber and shelves are SS-316 mirror finish and exterior is SS-304 mat finish. 2 Nos. trays made out of SS wires and rod at adjustable height 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 gaps between inner and outer walls are insulated with high density CFC free PUF that ensures absolute insulation and energy conservation. For easy mobility the unit is mounted on heavy duty caster wheels.



Model No.	Capacity Ltrs/cu.ft	Outer Door	Inner dime. W x D x H mm	External dime. W x D x H mm
BOD-01	092/03.22	1No.	(0450 x 0450 x 0450)	(0600 x 0729 x 1009)
BOD-02	176/06.18	1No.	(0500 x 0500 x 0700)	(0652 x 0779 x 1259)
BOD-03	274/09.61	1No.	(0550 x 0550 x 0900)	(0677 x 0829 x 1459)
BOD-04	326/11.44	1No.	(0600 x 0600 x 0900)	(0727 x 0879 x 1484)
BOD-05	510/17.89	1No.	(0610 x 0711 x 1168)	(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 across ventilated, dust free and clean environment with free space around. (Room temperature should be below 30deg.C) Zero level flooring and Floor level drainage within the radius of one meter from the installation.

OPTIONAL ACCESSORIES:

Additional Trays and Chamber illumination with cyclic timer for day and night operations.

OTHER PRODUCTS INCLUDES:

Chromatography refrigerator; Pharmaceutical refrigerator (medical refrigerator); Lab model Ice Flaker (crushed ice); Plant Growth Chamber; Stability Chamber (humidity chamber); Freezer cum Refrigerator; 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 Shaker with cooling & heating; Cryostat Bath (Chiller); Plasma Freezer; Vertical bacteria logical incubator (microbiological incubator); Vertical Laboratory Oven; Walk-in Stability Chamber; Walk-in Cold Chamber/room.

Pioneer's inservices to Science, Technology & Industry. Most innovative and reliable partner in India's Biotech Revolution



PoojaLabEquipments

Mfrs. of: Scientific Instruments & Equipments

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