



PLE- 113 ORBITAL SHAKING INCUBATOR



Pooja Lab Shaking Incubator is one of its kinds that included both heating and cooling illumination as optional are available in two versions i.e. non-GMP and GMP choose from different models suitable for various applications in Clinical Laboratory, Pathological Laboratory, Hospitals, Pharmaceuticals, Industrial Chemicals and R & D Labs. The shaking system with latest shaking mechanism consist of 5 eccentric supported with 11 ball bearing for trouble free and long life operations. A heavy-duty brushless AC motor coupled with reduction gear head for non-stop operations powers shaking mechanism. Users friendly Microprocessor based AC drive allows the user to select and set the

required RPM within the range. AC motor is incorporated with the shaker is HEAVY duty and capable for running continuously 24 hours without break. Shaking Incubators are designed for a variety of applications include shaking under in liquid medium with agitation under controlled temperature, growing cultures of microorganisms, tissue cells and incubation of various enzymatic assays and other applications etc. Positive airflow systems, industrial quality cabinet construction and extra strength CFC-FREE hermetically sealed refrigeration compressor selected for industrial, clinical and scientific use. Improved mechanical air convection for exceptional uniformity and control of temperature. Motorised air circulation fan kept inside the chamber to avoid extension and space saving. A uniform air distribution system sweeps the chamber walls to ensure constancy of chamber environment providing gentle airflow in the product area. Shaking Incubators are double walled the gap between walls are insulated with PUF / mineral glass wool which ensures maximum thermal efficiency. The unit mounted on a sturdy mild steel frame. Door is fitted at top with lock and key. Material of construction in non-GMP version are inner is SS-304 and outer is mild steel powder coated and in GMP version inner is SS-316 and outer is SS-304. Threaded holes are provided on the universal shaking platform to fix interchangeable different sizes of lotus clamps for conical flasks. Shelf provided to keep petri dish. In all versions all heavy framework will be mild steel.

Model No.	OSI - 100	OSI - 200	OSI - 300
Temperature	10 to 60°C		5°C above ambient to 60°C
Accuracy	±0. 5°C		±0.5°C
Uniformity	±1°C		
Setting	Soft touch membrane keypad		
Control	Microprocessor based with audio and visual alarm		
Display	Digital		
Shaking speed	20 to 200 RPM	20 to 300 RPM	20 to 200 RPM
Control	Microprocessor based digital AC drive		
Motor	Maintenance free brushless AC motor with gear head		
Orbit	1" (25.4mm) fixed		
Refrigeration	0.4 hp		None
Insulation	PUF		Glass wool
Door	Metallic insulated fitted at top		Perspex fitted at top
External dimensions	762 W x 710 x 875 mm (W x D x H) approx plus door height		
Capacity to hold flasks	24 Nos. of 50 or 100 ml or 16 Nos. of 250 or 500ml or 9 Nos. of 1000/2000ml		

**OPTIONAL ACCESSORIES :**  
Imported Microprocessor based auto turning PID digital controller with dual display for SET value and PROCESS value, which gives temperature accuracy of 0.2 °C. Centronic interface for keeping hard copies of Date, Time and Temp (Set value and actual value) on 80 Col. dot matrix printer supplied without printer (This facility is available only on with imported controller); Safety alarm system for warning incase of temperature overshoot 230V output for external hooter; PC interface communication card with RS 485 to use with the above imported control system (Hardware); 21 CFR part 11 compliance window based software for data management complete with RS 485 for temperature; 80 col. dot-matrix printer with stand; illumination for OSI-100 & 200 with timer and lotus clamps with screw; illumination control with digital display. Maximum light insensitivity is 3500 lux.

**PRE-INSTALLATION REQUIREMENTS ARE :**  
Stabilised 230 V 50Hz AC single phase 15 amps power supply with MCB and proper earthing within the radius one meter from the installation. To be installed in an air-conditioned room 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.

**OTHER PRODUCTS INCLUDES:**  
Chromatography Refrigerator Pharmaceutical Refrigerator B.O.D. Incubator 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 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

Mfrs. of: Scientific Instruments & Equipments  
22, Gr. Floor, Bhandup Indl. Estate, Pannalal Compound, LBS Marg, Bhandup (W),  
Mumbai - 400 078 Tel. : 2596 8723 / 2596 8549 / 6798 7938 / 2596 8546  
E - mail : [poojalabequipments@yahoo.in](mailto:poojalabequipments@yahoo.in) Website : [www.poojalabequips.com](http://www.poojalabequips.com)