

Quotations are requested within 5 days of the publication of the advertisement, for following instrument, funded by BI grant (97) (LERC module) for Department of Genetics, University of Calcutta. The specifications of the instrument is given below.

### **LAMINAR AIR FLOW (HORIZONTAL)**

**CONSTRUCTION:** All laminar Air Flow cabinets are basically constructed out of 18 mm DURO BOARD teak wood which is termite and insect proof, fire and weather resistant. Front, Back, Top and Exterior surfaces are covered with DECOLAM or FORMICA. Interior surfaces are epoxy painted. Work- table is made of mica top and side panels are of 6 mm thick transparent plexi glass duly framed.

**AIR FLOW FILTERATION:** Laminar air flow principle involves double filtration of air. Atmospheric air is drawn through pre-filter and is made to pass through **H.E.P.A.** (High Efficiency Particular Air) filter having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, Thus retaining all air-borne particles of size 0.3 micron and larger. Speed controls provides average flow rate of 90 fpm  $\pm$  10 fpm.

**BLOWER MOTOR ASSEMBLY:** Statically and dynamically balanced, direct drive sized to provide adequate air flow volume over the entire surfaces of HEPA filter. Fitted with  $\frac{1}{4}$  H.P. motor and operates with minimum noise level i.e. lower than 65 db.

**LIGHTING:** Work area illuminated by diffused, glare free fluorescent light.

**POWER:** 220/230 volts, single phase, A.C. mains only.

#### **COMPLETE WITH:**

- a) finish S.S. Table top (304 quality)
- b) Transparent Front door.
- c) Static Pressure Inclined MANOMETER.
- d) Built in U.V. Germicidal Light.
- e) Cock for Gas, Air of vacuum line.

**SIZE OF THE WORKING AREA:** 2 ft  $\times$  2 ft  $\times$  2ft

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**B. O. D. SHAKER INCUBATOR:**

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- FABRICATION : Double walled, inner chamber made of stainless steel (304 Quality) Sheet and outer chamber made of Mild steel sheet finish With powder coating paint.
- INSULATION : Highly insulated with high grade GLASS –WOOL.
- AIR CIRCULATION : Air circulating fan to keep the temperature uniformly Inside the unit.
- HEATING SYSTEM : By suitable ISI Mark heaters.
- REFRIGERATION SYSTEM : Hermetically sealed compressor (Make: EMMERSION/ KIRLOSKAR) Fitted with copper cooling coil with C.F.C. FREE REFRIGERANT.
- TEMPERATURE : 5degree centigrade to 60degree centigrade.  
Accuracy: +-0.5degree centigrade to +-1 degree.
- TEMP. CONTROL : Temp. controlled by DIGITAL TEMP.  
CONTROLLER CUM INDICATOR (Brand: SELEC)
- DOOR SYSTEM : Double door system. One transparent sheet door and another metal insulated door. Total operating system is under lock & key.
- ILLUMINATION : Unit is fitted with illumination Lamp inside the chamber.
- SHAKING PART : The lower most chamber of the above unit shall  
Contain a D.C. SHUNT Motor driven orbital  
Shaker with interchangeable platform fitted with  
Lotus type clamping arrangement. Circular orbital  
Motion and speed control by VARIAC. Platform

is made of stainless steel. **Complete with R.P.M**

& 3(three) nos. perforated S/S. Tray (304 quality) :

POWER : Electrically operated on 220/230 Volts, single  
Phase A.C. mains only.

SIZE OF THE CHAMBER : 4CUFT.

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