



# Laboz Inc

## Hot Plate Round LI-0084

Outer body made of perforated PCRC Sheet powder coated and fitted with coil type heating element. The top plate is 20.5 cm dia fitted with an indicating lamp. Unit is fitted with 30 switches and energy regulator. Used for heating up to 350°C. To work on 220/230 V, single phase Ac supply.

Size	Rating
20.5 CM	1.25 KW



## Hot Plate Rectangular with cast Iron top LI-0085

This is useful for continuous heating up to 350°C. Temperature is maintained by thermostat. The body is made of PCRC sheet powder coated. Top rectangular cast Iron plate has insulated element. To work on 220/230V, Single phase AC supply.

Size (BxLxH)	Rating
25x30x15 Cm(10"x12"x6")	1.2KW
25x40x15 Cm(10"x16"x6")	1.5KW
30x45x15 Cm(12"x18"x6")	2.0KW
45x60x15 Cm(18"x24"x6")	3.0KW

### Optional accessories:

Digital Controller cum indicator



## LI-Digital Hot Plate With Magnetic Stirrer

A compact stirring device utilizing a rotating field of magnetic induce variable speed stirring action with either closed or open vessels. Stirring is accomplished by means of small rotor sealed in alkali or acid resisted polythene which is placed in the liquid to be stirred and is capable of and is controlled by speed controller fitted with pilot lamp.

### Capacity

- 1.0 Ltr.
- 2.0 Ltr.
- 5.0 Ltr.
- 10.0 Ltr.





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The magnetic stirrer with Hot Plate

Optional Accessories

- Teflon coated magnetic stirring paddles, 12mm
- Teflon coated magnetic stirring paddles, 25mm
- Teflon coated magnetic stirring paddles, 35mm
- Teflon coated magnetic stirring paddles, 50mm

## Hot plate Coil Type LI-0086

Outer body made of PCRC sheet and fitted with coil type heating element. The heating plate is powder coated . Unit is fitted with switches and temperature regulator. To work on 220/230V single phase AC supply

Size	Rating
Single coil	1.25 KW



## LI-Magnetic Stirrer

Capacity

- 1.0 Ltr.
- 2.0 Ltr.
- 5.0 Ltr.
- 10.0 Ltr.

Optional Accessories



Off: D8/6, DLF Ankur Vihar, Ghaziabad,U.P-

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## Humidity & Temperature control Chamber LI-0088

Double walled chamber with interior walls made of S.S /Al,  
The unit exterior is made of heavy M.S powder coated. The door is also a double walled construction with the Toughened Glass window. The temperature range inside the chamber is from Ambient  $-60^{\circ}\text{C} \pm 3^{\circ}\text{C}$  ,and Humidity from ambient  $-95\% \pm 3\%$  temperature is controlled by hydraulic Thermostat  $\pm 1^{\circ}\text{C}$  and Humidity controlled by Humidistat. S.S water tank with heating element to create Humidity inside chamber .To work on 220/230 VC,single phase Ac supply without hygrometer.

### Chamber Size: (WxHxD)

455x710x455mm

605x605x605mm

605x910x605mm

### Optional accessories :

- Hygrometer( Humidity Indicator) 150mm Dia.
- Digital Temperature Indicator cum controller.
- Digital Humidity indicator cum controller.



## Environmental Chamber ( Humidity Chamber) LI-0077

Double waaled chamber with interior walls made of S.S .. The unit exterior is made of heavy M.S powder coated . The door is also a double walled construction with the Tuffened Glass window. The temperature range inside the chamber is from  $5-60^{\circ}\text{C} \pm 2^{\circ}\text{C}$  ,and Humidity from  $40\% -95\% \pm 3\%$  controlled by digital temperature and Humidity controller cum indicator . Temperature below ambient is controlled by a hermetically sealed compressor with complete unit provided at the bottom. Complete with S.S Tray(03 Nos.) S.S water tank with heating element to create Humidity inside chamber .To work on 220/230 VC,sinle phase Ac supply.

### Chamber Size: (WxHxD)

455x710x455mm

605x605x605mm

605x910x605mm

### Optional accessories : Voltage stabilizer 3 KVA



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## Incubator Bacteriological( Universal) Memmert Type LI-0089

Temperature rang up to 70°C thermostatically controlled. Heating elements are placed in ribs on all the three sides . Double walled inner chamber made of Anodized Aluminum /S.S. Outer chamber is made of M.S powder coated with synthetic rubber gasket on doors. Door has glass window to view the samples. Built in horizontal L shaped thermometer and perforated adjustable shelves . To work on 220/230 V ,Single phase AC supply. Supplied with or without Air circulation fan.

Chamber Size	No. of Trays
300x300x300mm(12"x12"x12")	02
350x350x350mm(14"x14"x14")	02
450x450x450mm(18"x18"x18")	02
450x600x450mm(14"x18"x14")	02
600x600x600mm(24"x24"x24")	02
600x900x450mm(24"x36"x24")	02
600x900x900mm(24"x36"x24")	02

### Optional accessories:

- Air Cirulation fan.
- Mechanical timer /2hrs
- Digital Indicator cum controller with circulation fan.



## BOD Incubator Automated LI-0057

Double walled chamber with interior walls made of anodized Aluminium sheet/ S.S. The exterior is made of heavy M.S powder coated .The door is also double walled construction . the temperature range inside the chamber from 5-60 °C +/- 1 °C , controlled by electronic digital temperature controller cum indicator. Temperature below ambient is maintained by a hermetically sealed compressor with complete unit provided at the bottom. Complete with Aluminium /S.S tray (03 Nos.) ,two air circulation fans and acrylic transparent inside door. To work on 220/230 V ,AC Single phase supply.

Chamber size (WxHxD)	Capacity ( Cu Ft)
455x610x410mm	4.0
500x825x415mm	6.1
565x865x550mm	10.0
650x875x550mm	12.0



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650x900x580mm 15.0

## Optional Accessories :

- Inner aluminium with 03 Nos . flourescent tubes of 60 cm.
- Automatic cycle timer 0-24hrs regulating illuminating cycles.
- Arrangement of incubating in CO<sub>2</sub> and AIR mixture with an inlet nozzle provided with a means of admitting of CO<sub>2</sub>.

## BOD Incubator Fully Automated OBX-0058

Double walled chamber with interior walls made of anodized Aluminium sheet/ S.S. The exterior is made of heavy M.S powder coated .The door is also double walled construction . the temperature range inside the chamber from 5-60 °C with an accuracy +/- 0.5 °C , controlled by PID temperature controller cum indicator. Temperature below ambient is maintained by a hermetically sealed compressor with complete unit provided at the bottom. Complete with Aluminium /S.S tray (03 Nos.) ,two air circulation fans and acrylic transparent inside door. To work on 220/230 V ,AC Single phase supply.



Chamber size (WxHxD)	Capacity ( Cu Ft)
455x610x410mm	4.0
500x825x415mm	6.1
565x865x550mm	10.0
650x875x550mm	12.0
650x900x580mm	15.0

## Optional Accessories :

- Inner aluminium with 03 Nos . flourescent tubes of 60 cm.
- Automatic cycle timer 0-24hrs regulating illuminating cycles.
- Arrangement of incubating in CO<sub>2</sub> and AIR mixture with an inlet nozzle provided with a means of admitting of CO<sub>2</sub>.



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## CO2 Incubator LI-0061

Interior is made of S.S ,smooth inner casting with rounded corners on all sides . The unit has automatic decontamination routine that uses moist heat and 90° C, which automatically decontaminates the entire chamber and also eliminates microbes and mycoplasma.This contain facility for direct humidification which provides high relative humidity and allows rapid humidity recovery times. It has air jacket temperature control for consistent weather conditions inside the incubation. It will have an audible and visual alarm when the water reservoir needs to be refilled . It has large illumination display/controls providing instant status of Incubation.

### Capacity:

- 42 Lits
- 100 Lits
- 200 Lits



## Egg Incubator. LI-0090

Controlled by thermostat. Inner chamber made of aluminium.

### Capacity:

- 50 eggs
- 100 Eggs
- 200 Eggs
- 250 Eggs
- 400 Eggs

### Optional accessories:

- Digital temperature controller cum indicator.
- 

## Poultry Incubator LI-0091

Unit is fitted with temperature and humidity controller . Provision for automatic tilting device .

### Capacity:

- 100 Eggs
- 250 Eggs
- 500 Eggs
- 1000 eggs





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## LI-Muffle Furnace:

Light weight with ceramic wool insulation. The outer casting is made of thick mild steel duly painted / powder coated.

Working temp. up to 1150°C,

Maximum temp. 1200°C.

Temp .Range from 50°C -1150°C controlled by digital temp. cum indicator .

Temp Accuracy: 5 Deg c.

Readability 1 Deg C,

Insulation Thickness : 8`

Temp Achieving Time 2.30-3.00

Hrs Inner material : Ceramic. Outer Material MS powder coated with epoxy .

Muffle size Working temp.

200x200x300 mm (8"x 8"x12") 12000C

Other model as per required size and temp.

Optional accessories: Microprocessor Based PID Controller



## Soxhlet Extraction Unit (LI-SEA100):

The complete Soxhlet extraction apparatus consists of solvent reservoir extraction assembly with 6 extraction places with concentric metal rings of various diameter to suit 100 ml flasks to 250 ml flasks and built in steam generator. Complete with stand, clamp holder Soxhlet extraction (Condenser) glass and extraction flask of 60 ml volume.

Temperature Range :

Temperature Range : 50°C to 350°C

Temperature Control :

Temperature is controlled through electronic solid state temperature controller cum indicator or micro processor based digital temperature controller cum indicator or hydraulic thermostat with energy regulators.

Temperature Sensitivity:

The temperature is controlled with an efficiency of + 2% (Set Value).

Power Requirement:

Power 2 KW, Single Phase, 230 Volts



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## LI-Cyclo Mixer (Vortex Shaker )

It is useful for rapidly mixing/agitating solution in test tubes. The vibrating neoprene rubber cup accommodates a variety of sizes of test tube/flasks. Short, rapid, eccentric stroke, motor driven Neoprene cup imparts vigorous agitation to tubes or small flask held in or against it. The shaker is particularly efficient for dislodging sediments from tips of centrifuge tubes. The housing is 150 × 150mm approx. The Vacuum Rubber pads are provided at bottom. Machine supplied with complete with speed control, cord and ON/OFF switch and indicator to work on 220V, Single phase, 50 Hz. AC supply.



**Optional accessories:** Digital Controller cum indicator

## Laboz-(Horizontal Shaker) Model: LI-188.

heavy platform is fitted with rubber discs to hold Erlen Meyer Flasks from 50 mL to 1000 mL capacity. The platform is mounted on ball bearing crank shafts to give an orbital circular motion to flasks. The diameter of the orbit is approximately 2". Shaking 50RPM to 150RPM. The motor supplied



### Available in following capacities

Platform Size	Holding Capacity	HP (Motor)
45 cm × 45 cm	25 flask of 100 mL	0.25
45 cm × 45 cm	36 flask of 50 mL	0.25
45 cm × 45 cm	49 flask of 25 mL	0.25
45 cm × 45 cm	16 flask of 250 mL	0.25
55 cm × 55 cm	25 flask of 250 mL	0.25
65 cm × 65 cm	36 flask of 250 mL	0.50
100 cm × 100 cm	81 flask of 250 mL	1.00
105 cm × 105 cm	81 flask of 500 mL	1.00
105 cm × 105 cm	49 flask of 1000 mL	1.00

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## LABOZ Rotary Shaker Orbital Shaker: MODEL: LI-0130

The platform is mounted on ball bearing crank shafts to give an orbital circular motion to flasks. The diameter of the orbit is approximately 2". The entire assembly is mounted on a rental casing which houses a motor coupled by means of V Belt with pitch pulley. Shaking 50RPM to 150RPM

The motor supplied is of standard make. Working on 220 volts, single phase, 50 cycles AC supply.

### Available in following capacities

#### Holding Capacity HP (Motor)

- 49 flask of 100 mL 0.25
- 25 flask of 250 mL 0.25
- 16 flask of 500 mL 0.25
- 49 flask of 1000 mL 0.25

## LABOZ-Water Bath Incubator Shaker (Metabolic) MODEL: LI-0132

The basic construction is double walled with 100% leak proof inner chamber of thick polished Stainless Steel sheet & has smooth inside working surface. The Outer body is made of mild steel duly powder coated. Heating is achieved by a high quality immersion type heater and temperature is controlled by capillary hydraulic type thermostat from ambient to  $100^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ . The shaking mechanism comprises of variable speed motor fixed on the left side and coupled to the shaking tray which shakes linearly to and fro on ball rollers moving in guides which are greased for smooth motion.

### SIZE:

- 275 × 275 × 75 mm
- 275 × 275 × 150 mm
- 400 × 300 × 150 mm

### Optional Accessories

- Shaking Tray for 25 or 100 ml flask or test tube rack
- Digital temperature indicator cum controller





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## Laboz-Refrigerated BOD Incubator Shaker

### MODEL: LI-0132

Double walled inside made of Stainless Steel 304 qly. and outside of mild steel sheet.

The gap of 75 mm between tow malls is filled with pure mineral wool

Through lid provides complete visibility minimizing the need to open the chamber.

Rapid air circulation produces quick temperature equilibration and recovery when needed.

The temperature is controlled by microprocessor electronic digital temperature indicator cum controller form 5°C ambient to 60°C Accuracy +/- °0.5C.

It has maximum orbital shaking speed up to 220 RPM with electronic digital timer having settable range up to 999 minutes.

RPM Meter is also fitted in the control panel to check the speed of rotation.

This shaker has clamp of 500ml conical flask for 4 nos 250 ml. conical flask for 8 nos and 100ml. conical flask to accommodate 4 nos in a shaking tray size: 455mm.

This shaker Incubator works on 220 V.A.C. 50 hz. This is supplied with connecting cord. & plug.

### Size

6 cubic feet

10 cubic feet

## Laboz Laboratory Oven

Ovens are sturdy, with double walled construction. Inner chamber made of ALUMINIUM or STAINLESS STEEL sheet. Outer chamber is made of mild steel sheet duly powder coated.

- (Temperature accuracy +/- 3 Deg C)
- On/Off Control (Temp accuracy +/- 2 Deg C)
- PID Control (Temp. accuracy +/- 1 Deg C)
- Microprocessor (Temp. accuracy +/- 0.5 Deg C)

Please specify the kind of controller and accuracy required at the time of ordering.

Suitable to operate on 220 volts, Single Phase, 50 Hz, AC supply. (Please specify for any customization)



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## Size of inner chamber

W × H × D	No. of Shelves
300 × 300 × 300 mm(12"X12"X12")	2
350 × 350 × 350 mm(14"X14"X14")	2
450 × 450 × 450 mm(18"X18"X18")	2
450 × 600 × 450 mm(18"X24"X18")	3
600 × 600 × 600 mm(24"X24"X24")	3
600 × 900 × 450 mm(24"X36"X18")	3
600 × 900 × 600 mm(24"X36"X24")	3

## Optional Accessories

- Air Circulating Fan
  - Timer
- PID Controller cum Indicator

## LI-LABORATORY Microwave OVEN

Laboratory Micro ovens are designed fabricated & tested to suit various applications in growing field of Industrial, Medical, Agricultural, and Research Laboratories etc

Detailed Specification:

Double walled, inside chamber made of S. Steel. Outer mild steel duly powder coated, dual color white & Blue. Temperature range ambient + 5oC to 250oC controlled by digital temperature cum controller with sensitivity of ±20C. Suitable to work on 220/230V. Ac supply. 10 LCD display also available.



**Available Size** 375 x 375 x 375mm 55 Ltr\*hot air ( other size on order)

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