

Tray Dryer

Standard Double Wall Fabrication. Outer painted with hammer tone paint finish. The gap between the walls is fitted with special grade glass wool. Heavy duty forced air blowers are Provided to constantly circulate hot air to achieve uniform temperature in the chamber.



Kanthal wire heating elements provided to attain quick and uniform heating in range of 50°C to 250°C +2-3°C controlled by hydraulic type capillary thermostat.

An dial type thermometer is fitted to the unit for reading the chamber temperature. Equipment suitable to be working on 220V AC 50Hz single phase.

Size are available :-

48 trays

Optional :-

1. Timer 0-99 hours
2. Digital PID temp. indicator-cum-controller



Hot Air Oven Thermostatic

Standard Double Wall Fabrication, inner chamber made of richly anodized aluminum or highly polished stainless-steel sheet. Exterior fabricated out of thick mild steel duly finished with white powder coating. The gap between the walls is fitted with special grade glass wool. Provided with two or three removable shelves. Kanthal wire heating elements provided on three sides attain quick and uniform heating in range of 50°C to 250°C +2-3°C controlled by hydraulic type capillary thermostat. An L- Shaped prismatic thermometer is fitted to the unit for reading the chamber temperature. Equipment suitable to be working on 220V AC 50Hz single phase.



Size are available: -

300x300x300 mm
350x350x350 mm
400x400x400 mm
450x450x450 mm
600x450x450 mm
600x600x600 mm
900x600x450 mm
900x600x600 mm
900x900x900 mm

Optional: -

1. Air circulating fan
2. Timer 0-99 hours



Hot Air Oven Digital

Specifications same as LAB-101 but fitted with :-

1. Microprocessor digital PID temperature indicator cum controller with temperature accuracy $\pm 0.5^{\circ}\text{C}$.
2. Fitted with air circulating fan for maintaining equal temperature throughout the chamber.



Size are available :-

300x300x300 mm
350x350x350 mm
400x400x400 mm
450x450x450 mm
600x450x450 mm
600x600x600 mm
900x600x450 mm
900x600x600 mm
900x900x900 mm

Optional :-

Timer 0-99 hours



High Temperature Oven

Triple wall fabrication, inner chamber made of mild steel or highly polished stainless steel sheet. Exterior fabricated out of thick mild steel duly finished with white powder coating or other color combinations. The gap between the walls is fitted with special grade glass wool for heat insulation. Provided with two or three removable shelves. Special elegant door closing device has been provided. Temperature range upto 300°C is controlled by Dual display microprocessor PID digital temperature indicator cum controller & one air circulation fan.

Control panel is provided with selector switch of high or low rates of power, Temperature controller and indicators for mains and heat. Supplied with plug and chord. Equipment suitable to be working on 220V AC 50Hz single phase.



Size is available: -

300x300x300 mm
350x350x350 mm
400x400x400 mm
450x450x450 mm
600x450x450 mm
600x600x600 mm

Optional: -

Timer 0-24 hours



Drying Oven Industrial



Standard Double Wall Fabrication, inner & outer chamber made of thick mild steel sheet. Painted with hammer tone paint finish. The gap between the walls is fitted with special grade glass wool. Heavy duty forced air blowers are Provided to constantly circulate hot air to achieve uniform temperature in the chamber. Kanthal wire heating elements provided to attain quick and uniform heating in range of 50°C to 250°C +2-3°C controlled by hydraulic type capillary thermostat.

An dial type thermometer is fitted to the unit for reading the chamber temperature. Equipment suitable to be working on 220V AC 50Hz single phase.

Size are available :-

900x600x600 mm
1200x900x900 mm
1500x900x900 mm
1800x1200x900 mm

Optional :-

1. Timer 0-99 hours
2. Digital PID temp. indicator-cum-controller



Tray Dryer

Standard Double Wall Fabrication. Outer painted with hammer tone paint finish. The gap between the walls is fitted with special grade glass wool. Heavy duty forced air blowers are Provided to constantly circulate hot air to achieve uniform temperature in the chamber.



Kanthal wire heating elements provided to attain quick and uniform heating in range of 50°C to 250°C +2-3°C controlled by hydraulic type capillary thermostat.

An dial type thermometer is fitted to the unit for reading the chamber temperature. Equipment suitable to be working on 220V AC 50Hz single phase.

Size are available :-

430x840x650 mm
430x840x910 mm
910x840x910 mm
960x1270x1440 mm
960x1700x1700 mm

Optional :-

1. Timer 0-99 hours
2. Digital PID temp. indicator-cum-controller





Note :- We can also offer our range of Hot Air Ovens in complete SS construction



Laboratory Round Hot Plates

Laboratory hot plates are available in round and rectangular shapes. Body is fabricated out of thick mild steel duly finished with powder coating. Heater made of kanthal wire to operate on 220 V AC 50 Hz single phase. Heat is controlled by three point rotary switch or energy regulator with an indicator lamp for main etc.



Available in following options :-

- 8" dia
- 8" dia x two plates
- 8" dia (20 cms) round spiral

Optional :-

Microprocessor Digital temperature indicator cum controller



Laboratory Rectangular Hot Plates



Digital Model with M.S. Top



Digital Model with S.S Top

Laboratory hot plates are available in round and rectangular shapes. Body is fabricated out of thick mild steel duly finished with powder coating. Heater made of kanthal wire to operate on 220 V AC 50 Hz single phase. Heat is controlled by three-point rotary switch or energy regulator with an indicator lamp for main etc.

Available in M.S. Top / C. Iron Top / S.S Top, as customer requirement.

Available in following sizes:-

12" x 10"

16" x 10"

18" x 12"

24" x 18"

Optional :-

Microprocessor Digital temperature indicator cum controller



Slide Warming Hot Plate



With Temp. Control upto 80° C for drying slides at low temperatures. Fitted with energy regulator. Workable on 220V AC 50Hz single phase.

Available in following sizes:-

12" x 10"

16" x 10"

18" x 12"

24" x 18"

Optional :-

Microprocessor Digital temperature indicator cum controller



Heating Mantels

The body of the mantel is one piece M.S duly powder coated. It withstands high temperature up to 350° C. All heating mantels are lagged with special grade glass wool. Work on 220/230 V AC.



Capacity

50ml
100ml
250ml
500ml
1 litre
2 litre
3 litre
10 litre

Wattage

60
60
150
200
300
450
600
2x500

Mantles

Digital Heating





Incubator Bacteriological Thermostatic

Standard Double Wall Fabrication, inner & outer chamber made of thick mild steel sheet. Painted with hammer tone paint finish. The gap between the walls is fitted with special grade glass wool. Provided with two or three removable shelves. Kanthal wire heating elements provided on three sides to attain quick and uniform heating in range of 30°C to 110°C + 1°C controlled by hydraulic type capillary thermostat.



An L- Shaped prismatic thermometer is fitted to the unit for reading the chamber temperature. Equipment suitable to be working on 220V AC 50Hz single phase.

Size are available :-

300x300x300 mm
350x350x350 mm
400x400x400 mm
450x450x450 mm
600x450x450 mm
600x600x600 mm

Optional :-

1. Air circulating fan
2. Timer 0-24 hours



Incubator Bacteriological

Specifications same as LAB-107 but fitted with :-

1. Microprocessor digital PID temperature indicator cum controller with temperature accuracy + 0.5°C.
2. Fitted with air circulating fan for maintaining equal temperature throughout the chamber.



Size are available :-

300x300x300 mm
350x350x350 mm
400x400x400 mm
450x450x450 mm
600x450x450 mm
600x600x600 mm
900x600x450 mm
900x600x600 mm
900x900x900 mm

Optional :-

Timer 0-24 hours



Incubator B.O.D.

Design for low temperature incubation and routine determination of Bio-chemical oxygen demand (B.D.O). For work in lower temperature a cooling unit is provided at the lower portion of the working chamber and heating arrangement has been made in the inner chamber for work of higher temperature. The temperature varies from 5 °C to 60 °C adjustable at any desired point by Dual Display Microprocessor PID Digital Temperature Indicator cum Controller with an accuracy of + 0.5°C.



Air circulation fan has been provided to keep the temperature uniform inside the chamber. Inner chamber is made up of anodized aluminum or stainless steel sheet. Supplied with two/three removable perforated shelves. Exterior made out of thick mild steel duly finished in powder coating. Double wall door is provided with magnetic gasket and lock & key arrangement. Inner door made out of clear acrylic sheet allowing inspection of material in the chamber without disturbing the chamber temperature. Door operated inner illumination has been provided. Incubator to work on 220 V AC 50 Hz single phase.

Size are available :- Optional :-

455x410x610 mm	1. Co2/ air mixer nozzle is provided.
505x415x830 mm	2. Timer 0-24 hours
565x565x865 mm	3. Internal illumination with 3
650x580x900 mm	fluorescent tubes.
700x650x900 mm	4. Automatic voltage stabilizer 3-5KVA
	(Most Rec.)



Orbital Shaking Incubator

Outer made of M.S. Sheet powder coated & inner chamber is made of thick S.S. Sheet. The gap between two walls is fitted with high grade glass wool. The glass window makes it possible to inspect specimen without disturbing inner Temperature. The unit has a temp. range from ambient to 60°. Temperature is controlled by Dual Display Microprocessor PID Digital Temperature Indicator Cum Controller with a accuracy of + 0.5°C. Air Circulation Fan is provided to maintain stability throughout. Speed of shaker is variable from 30 RPM to 250 RPM.



The tray of the shaker is also made of S.S. Sheet with Lotus type clamps to hold flasks. Unit is fitted with Digital RPM Meter, 999 min digital time.

Capacity (ml)

9 Flasks of 250ml.

16 Flasks of 250ml.

16 Flasks of 500ml.

Optional Accessories:

1. Timer 0-24 Hours
2. 16 Flasks of 100ml. instead of 9 flasks of 250ml.
3. 9 Flasks of 500ml or 25 flasks of 100ml instead of 16 flasks of 250ml.
4. 25 Flasks of 250ml or 36 flasks of 100ml instead of 16 flasks of 500ml.



Orbital Shaking Incubator-cum-B.O.D

Orbital shaking incubator cum B.O.D incubator is specifically designed to controlled incubation with orbital shaking arrangement with powerful geared motor for many laboratory procedures such as tissue culture, fermentations studies, enzyme reactions, growth studies etc. The outer chamber is made up of M.S sheet duly powder coated & inner chamber is made of thick S.S. sheet. The gap between wall is fitted with high grade glass wool to avoid thermal loss. The Plexi glass window provided to inspect the specimen without disturbing the inner temp. The incubator is illuminated with one door operated or panel operated fluorescent tube. The unit has a temp. Range from 5°C to 60°C. The temperature is controlled by Dual Display Microprocessor PID Temperature Indicator cum Controller with a accuracy of + 0.5°C. Air circulation fan is provided to maintain stability throughout. The speed of shaker is variable from 30 RPM to 250 RPM. The tray of the shaker is also made of S.S sheet with lotus type clamps to hold flasks. The unit is fitted with Digital RPM meter, 999 min digital timer.



Capacity (ml)

16 Flasks of 500ml.

25 Flasks of 250ml.

36 Flasks of 100ml.

Optional Accessories:

1. Timer 0-24 Hours
2. Automatic voltage stabilizer 3KVA (Most rec.)



Serological Water Bath

These units are double walled with inner chamber made up of S.S. Sheet and outside of M.S. duly powder coated. The gap between the walls is fitted with special grade glass wool in order to avoid thermal losses. The inner chamber fitted with immersion type heating element is covered with perforated removable diffuser tray. The cover is provided with the unit as a standard accessory. Temperature from ambient to 100°C is controlled by Hydraulic capillary type thermostat with accuracy of + 1° C . Workable on 220V AC 50Hz Single Phase.



Inner Chamber Size are Optional: - available

300x175x175 mm	Microprocessor PID digital temp.
300x250x175 mm	indicator cum controller.
375x300x175 mm	Stirrer with 1/20 Hp motor with S.S.
455x300x175 mm	rod blade.
605x300x175 mm	Auto cut off device when water level is low.



Water Bath Rectangular (Double walled)

It is a double walled unit inner chamber made up of S.S. Sheet and outside of M.S. duly powder coated. The gap between the walls is fitted with special grade glass wool in order to avoid thermal losses. Concentric rings can be removed to accommodate containers of various sizes. Temperature from ambient to 100°C is controlled by Hydraulic capillary type thermostat with accuracy of + 1° C . Workable on 220V AC 50Hz Single Phase.



Inner Chamber Size are available	Holes	Cap. (Aprox.)
300x250x100 mm	6 Holes of 75mm	8L
355x405x100 mm	12 Holes of 75mm	15L

Optional:-

1. Microprocessor PID digital temp. indicator cum controller.
2. Auto cut off device when water level is low.





Inner Chamber Size	Holes	Cap. (Aprox.)
are available		
300x250x100 mm	6 Holes of 75mm	8L
355x405x100 mm	12 Holes of 75mm	15L

Optional :-

3. Microprocessor PID digital temp. indicator cum controller.
4. Auto cut off device when water level is low.



Water Bath Rectangular (Single walled)



Specifications same as LAB-135 but with Single S.S. Wall Construction

Inner Chamber Size	Holes	Cap. (Aprox.)
are available		
300x250x100 mm	6 Holes of 75mm	8L
355x405x100 mm	12 Holes of 75mm	15L



Water Bath Precison



Thermostatically controlled. Double walled. Toughened glass window on two opposite sides for observations without disturbing temperature. Complete with stirrer. Temperature range 100°C. Workable on 220V AC 50Hz single phase.

Inner Chamber Size Optional: -
are
available

425x250x225 mm

425x375x375 mm

650x450x450 mm

Microprocessor PID digital temp.
indicator cum controller.

Auto cut off device when water level is
low.



Water Bath Tissue Flotation



Double walled round construction. Inner chamber stainless steel/black anodized aluminum and outer made out of mild steel painted in epoxy powder coating. Thermostatic control, temperature range from ambient to 80°C. Complete with indicators, wire & plug. To work on 220V AC.

Inner Chamber Size are available

200x75 mm
250x175 mm



Water Bath Incubator Shaker

Similar to other water bath but fitted with inbuilt shaker for different experiments demanding shaking at constant speed under controlled temperature conditions. The temp. is controlled by capillary type thermostat from ambient to 100°C. RPM range: - 40-140 with variable electronic speed regulator workable on 220V AC 50 Hz Single Phase.



Inner Chamber Size **Optional :-**
are

available

275x275x150 mm

Microprocessor PID digital temp.
indicator cum controller.

Digital RPM meter

Auto cut off device when water level is
low.



Constant Temperature Refrigerated Liquid

Outer body is made of thick mild steel duly powder coated painted and inner chamber is made up of 304 grade stainless steel. Lid is also double walled properly insulated and is with locking facility. Whole unit is mounted on sturdy angle iron frame the cooling coils are brazes to the outer side of S.S. chamber thus ensuring perfect and uniform cooling. Insulation is done with thick glass wool to prevent any temp. loss. For attaining the temp. below ambient, the refrigeration is done through CFC free hermetically sealed compressor and & for attaining the temp. above ambient, heating is done with immersion type heating element.

Fitted with stirrer for temperature uniformity throughout the chamber. Temperature range is from 5°C to 90°C is controlled by dual Display



Microprocessor PID Digital Temperature Indicator cum Controller with a accuracy of +0.5°C digital temp. To work on 220/230volts AC supply. The unit is also fitted with a FHP PUMP for circulating the cooled liquid to an external source such as condenser coils, etc.



Low Temperature Refrigerated Liquid Bath

General specifications Same as LAB-141, but temperature range is -10°C. PUFF insulation in the chamber & can be used as a circulating water bath in external instruments.

Inner Chamber Size are available

:-

500x250x250 mm

Tissue Floatation Bath

Tissue Floatation Bath has been developed using microprocessor controls and a modular design that has improved reliability and precision. Corrosion resistant material for durability.



Temperature settings are controlled by feature touch buttons for accurate and precise control and the easy-to-read LED display show both, set temperature and actual temperature. The probe has a thermostat sensor inside that turns off when it is lifted up and re-starts when placed back in the basin.

Technical Specifications:

1. Temperature Range: ambient to 90° C
2. Temperature Tolerance: + 1° C
3. Bath Dimensions inner: 300 x 200 x 40mm



Laminar Air Flow Horizontal

Structure made of 19 mm Thick Plyboard covered with melamine lamination finish or mild steel duly powder coated or stainless steel. Work bench of perforated stainless steel in all models. Sides of work bench covered with transparent acrylic sheet/melamine. Front acrylic door of collapsible type. Properly balanced blowers fitted on H.P. Electric motor provided on the top portion to supply sufficient air to HEPA filter. HEPA filter provided vertically on back of the work bench to provide clean air to the work bench horizontally. HEPA filter efficiency 99.97%, partial retention >0.3 micron. Pre-filters efficiency 90.0%, partial retention >5.0 micron. One fluorescent tube and one U.V. Germicidal tube provided over work bench. Cock for gas on work bench. Static pressure manometer fitted on top.



Blowers, motor and pre-filters fitted in lower portion of the cabinet.



Made of thick playboard civered with white sunmica & epoxy painted inside. Laminar flow fitted with microprocessor control digital display with filter failure alarms.

Model

RLAH-58-01

RLAH-58-02

RLAH-58-03

RLAH-58-04

Sizes

60x60x60 mm.

90x60x60 mm.

120x60x60 mm.

180x60x60 mm.





Made Of thick playboard covered with white sunmica & epoxy paintd inside. laminar fitted with switches for blower, fluorescent light & UV light.

Model	Sizes
RLAH-58-05	60x60x60 mm.
RLAH-58-06	90x60x60 mm.
RLAH-58-07	120x60x60 mm.
RLAH-58-08	180x60x60 mm.

Complete S.S construction fitted with microprocessor control digital display and filter failure alarms.

Model	Sizes
RLAH-58-09	60x60x60 mm.
RLAH-58-10	90x60x60 mm.
RLAH-58-11	120x60x60 mm.

Made of mild steel duly powder coated fitted with microprocessor control digital display and filter failure alarms.

Model	Sizes
RLAH-58-12	60x60x60 mm.
RLAH-58-13	90x60x60 mm.
RLAH-58-14	120x60x60 mm.



Laminar Air Flow Vertical

Vertical Laminar Air Flow made of mild steel duly powder coated and workbench made of 304 grade S.S. perforated sheet. Microprocessor control TOUCH PANEL LCD Display and Digital Manometer & Filter Failure Alarm. LED White Light & UV Light provided. Motorized Glass Door for easy working. Micro Switch for UV Light, Cock for Gas and 15/5amp socket provided inside the chamber.



- | | |
|--------------------|---|
| Switches | - Microprocessor based Touch Panel for Blower, Fluorescent Light & UV Light. (UV Light with Timer) & Motorized Front Door of Toughen Glass. |
| Pre-ilter | - 99.00% down to 5 microns. |
| Hepa Filter | - ISO 14644 Class 5 (Class 100) 99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter. |
| Airflow | - Top to downward |
| Noise Level | - 60 decibels $\pm$ 5%. |
| Velocity | - 0.35-0.50m/sec |
| Work Table | - Made up of Stainless Steel
- 304gr. (Perforated)Cock for gas on work table. |



- Front door** - Made of Toughen glass.
- UV Lamp** - 15/30W, make Philips Holland
- Illumination** - LED Lights for easy operation.
- Pressure** - Digital Manometer 0-50mm range with filter failure alarm.
- Power Supply** - 230V $\pm$ 10V/50Hz single phase A.C
- Cabinet** - Cabinet made of mild steel duly powder coated.
- Electricals** - 15/5 AMP Socket with Switch.
- Heavy Duty Blower** - Dynamically balanced with 0.25HP Electric Motor Mounted on anti-vibration pad 1440rpm motor.
- Safety Features** - Voltage fluctuations Protection. Micro switches for UV & LED Lights.
- Stand** - Castor Wheels for easy movability. Front Wheels lockable with brakes.

Model	Sizes
RLVM-56-01	60x60x60 mm.
RLVM-56-02	90x60x60 mm.
RLVM-56-03	120x60x60 mm.
RLVM-56-04	150x60x60 mm.



Laminar Air Flow Vertical

Vertical Laminar Air Flow made of 304 grade hairlines finish stainless steel and workbench made of 304 grade stainless steel perforated sheet. Microprocessor control TOUCH PANEL LCD DISPLAY and DIGITAL MANOMETER & Filter Failure Alarm. LED White Light & UV Light provided. Motorized Glass Door for easy working. Micro Switch for UV Light. Cock for Gas and 15/5Amp. socket provided inside the chamber.



- | | |
|--------------------|---|
| Switches | - Microprocessor based Touch Panel for Blower, Fluorescent Light & UV Light. (UV Light with Timer) & Motorized Front Door of Toughen Glass. |
| Pre-filter | - Efficiency 99.00% Particle Retention > 5 micron. |
| Hepa Filter | - ISO 14644 Class 5 (Class 100) 99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter. |
| Airflow | - Top to downward |
| Noise Level | - 60 decibel $\pm$ 5%. |
| Velocity | - 0.35-0.50m/sec |
| Work Table | - Made up of Stainless Steel |
| | - 304gr.(Perforated)Cock for gas on work table. |
| Front door | - Made of Toughen glass. |



- UV Lamp** - 15/30W, make Philips Holland
- Illumination** - LED Lights for easy operation.
- Pressure** - Digital Manometer 0-50mm range with filter failure alarm.
- Power Supply** - 230V $\pm$ 10V/50Hz single phase A.C
- Cabinet** - Cabinet made of 304gr.Stainless Steel.
- Heavy Duty Blower** - Dynamically balanced with 0.25HP Electric Motor Mounted on anti vibration pad 1440rpm motor.
- Safety Features** - Voltage fluctuations Protection. Micro switches for UV & LED Lights.
- Stand** - Castor Wheels for easy movability. Front Wheels lockable with brakes.

Model	Sizes
RLVS-56-01	60x60x60 mm.
RLVS-56-02	90x60x60 mm.
RLVS-56-03	120x60x60 mm.
RLVS-56-04	150x60x60 mm.



Mortuary Chamber



Used for storing cadaverous under low temperature cool conditions in order prevent decomposition. The chamber is constructed in double wall. The interior of the chamber is made of stainless steel and the exterior is made out of mild steel and elegant looks with PUFF insulation in between. Space saving design with front opening door. The door is fitted on the chamber by heavy - duty hinges and nickel-plated handle with locking arrangement. Gasket on the door. The chamber is fitted with castor wheels for ease of mobility. Heavy duty trays made of stainless steel for holding cadaver with full extension with handles on both ends. The trays are easily movable on nylon rack rollers for easy movability. CFC free refrigeration unit, to maintain temperature range of 2°C to 5°C. Unit Is fitted with Dual Display Microprocessor PID Digital Temperature Indicator cum Controller with audio/visual temperature deviation alarms. To work on 220/230 V AC supply.



Mortuary Chambers are available in following capacities:



- * Single Body
- * Two Bodies
- * Three Bodies
- * Four Bodies
- * Six Bodies

Mortuary Chamber

Used for storing cadaverous under very low temperature cool conditions in order to preserve organs/body for long time. General specifications same as LAB-128, but the temperature range is -10 to -20°C.



Biosafety Cabinet

The Class-II Biological Safety Cabinet is an open-front, ventilated cabinet. Which provide personnel, environment and product protection.

Switches	- Microprocessor based switches for blower, fluorescent light & UV light with LCD back light display. (UV light with Timer).
Pre-Filter	- 99.00% down to 5 micron.
HEPA Filter	- ISO 14644 Class 5 (Class 100) 99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter.
Airflow	- Top to downward. 70% of the air volume is re-circulated, 30% is exhausted.
Noise Level	- 60 decibel +5%.
Velocity	- 0.35-0.50m/sec
Work Table	- Made up of stainless steel 304gr. cock for gas on work table.
Front Door	- Made of acrylic.
UV Lamp	- 15/30W, make Philips Holland
Illumination	- 20/40W, Fluorescent tube with diffuser
Pressure	- Manometer 0-50mm range.
Power Supply	- 230V +10V/50Hz single phase A.C.
Cabinet	- 19mm thick Duraboard covered with sunmica from outside and epoxy painted from inside/304gr Stainless Steel.
Heavy Duty Blower	- Dynamically balanced with 0.25 HP Electric Motor Mounted on anti vibration pad 1440rpm motor.
Exhaust	- Exhaust system with HEPA filter & virus burnout.





Biosafety Cabinet (Mild Steel) Class II, A-2	
Item Code	Size
RS-59-05	60x0x60 cm
RS-59-06	90x60x60 cm
RS-59-07	120x60x60 cm

Biosafety Cabinet (Stainless Steel) Class II, A-2	
Item Code	Size
RS-59-08	60x0x60 cm
RS-59-09	90x60x60 cm
RS-59-10	120x60x60 cm

Biosafety Cabinet (Mild Steel) Class II, B-2	
Item Code	Size
RS-59-11	60x0x60 cm
RS-59-12	90x60x60 cm
RS-59-13	120x60x60 cm



Lab Deep Freezer (-20°C)

Doubled walled with inner chamber made of S.S. and outer chamber made of PCRC sheet duly powder coated. PUFF Insulation between the walls. Refrigeration is done by CFC free eco friendly compressor. Temperature range from ambient to -20°C is achieved by hermetically sealed compressor. Body is mounted on a sturdy Angle iron frame with Castor wheels. Unit is fitted with Dual Display Microprocessor PID Digital Temperature Indicator cum controller for controlling temperature with great accuracy.



Vertical Model

Horizontal chest type models are supplied in a single compartment where as vertical models are supplied with two or three SS trays. Workable on 220 V AC.



Lab Deep Freezer (-40°C) LAB-122 Series

General Specifications are same as LAB-121, but temperature range is from ambient to -40°C. Low temperature Refrigerant & Compressors are used in refrigeration with Puff Insulations.

Ultra Low Deep Lab Freezer (-70°C) LAB-123 Series

General Specifications are same as LAB-121, but temperature range is from ambient to -70°C. Ultra Low Temperature Refrigerant & two Compressors are used in refrigeration with high grade Puff Insulations.

Ultra Low Deep Lab Freezer (-86°C)

General Specifications are same as LAB-121, but temperature range is from ambient to -86°C. Ultra Low Temperature Refrigerant & two Compressors are used in refrigeration with High grade Puff Insulations.



Horizontal Model

These Deep Freezers are available in following sizes/capacities.

Chamber Size	Cap.(cu.ft.)	Cap.(apr.)
455x410x610 mm	4	112L
505x415x830 mm	6.1	171L
565x565x865 mm	10	280L
650x580x900 mm	12	336L



Blood Bank Refrigerator LAB-126 Series

Blood bank refrigerator is a most versatile unit for blood bank. The inner chamber is made of stainless-steel sheet and outer of PCRC sheet duly powder coated. Mounted on sturdy iron frame with castor wheels for easy mobility. The temperature is maintained between 4 to 6°C with forced air circulation ensures uniform temperature, for storing blood bottles or blood bags. Temperature is controlled by Dual Display Microprocessor PID Digital Temperature Indicator cum Controller. Audio/visual Alarm triggers in the event of temperature fluctuations. Unit is also fitted with Door open alarm & Power Supply /Failure Alarm as a safety device. Highly efficient refrigeration unit is housed on bottom. Two doors are provided. Inner door is transparent made of Lexi glass, for Viewing the chamber. Drawers are provided for holding bags. workable on 220 V AC.



Capacity	No. of Blood Bags
85L	50Bags
165L	110Bags
200L	180Bags
280L	250Bags
400L	360Bags

Optional:-

1. Chart type temperature recorder
2. Automatic voltage Stabilizer 3-5 KVA (Most rec.)



Laboratory Refrigerator

The inner chamber is made of stainless steel sheet and outer of PCRC sheet duly powder coated. Mounted on sturdy iron frame with castor wheels for easy mobility. The temperature is maintained between 4 to 6°C with forced air circulation ensure uniform temperature, for storing medicines. Temperature is controlled by Dual Display Microprocessor PID Digital Temperature Indicator cum Controller.

Audio/ Visual Alarm triggers in the event of temperature fluctuations. Highly efficient refrigeration unit is housed on the bottom. Two doors are provided. Inner door is transparent made of plexiglass, for viewing inside the chamber. Drawers are provided for holding medicines. Workable on 220 V AC.

Chamber In Size

455x410x610 mm

505x415x830 mm

565x565x865 mm

650x580x900 mm



V.D.R.L. Rotator (Variable Speed)



Suitable for VDRL and other agglutinating tests, blood grouping tests, for mixing of solutions in small flasks, beakers or bottles. Platform size 300x300 mm. supplied with spring wire holder (2 nos) for holding flasks. Fixed or variable RPM range 180 RPM. With 60 min timer.

Workable on 220v AC 50Hz single phase.

Optional: -

1. Digital R.P.M. indicator
2. Digital timer (0-99 min.)



Vortex Shaker (Test Tube Shaker) LAB-151 Series



Useful for accelerated mixing in test tubes, small flasks or centrifugal etc. The housing is 150x150 mm. The speed is controlled by electronic speed regulator. Models are available for finger touch or fixed operations. Workable on 220 V AC 50 HZ single phase.



Mini Rotary Shaker LAB-153 series

Body made out of thick mild steel finished with powder coating. PMDC motor used for shaking. Platform size 300x300 mm. S.S. platform consists of 9x250ml conical flask lotus type clamps. RPM range 50-250 RPM, Electronic variable control, with 0-60 min mechanical timer. Workable on 220 V AC 50Hz single phase.

Optional :-

- 1 Digital R.P.M. indicator
- 2 Digital timer (0-99 min.)



Rotary Shaker (Platform Type)

Body made out of thick mild steel finished with powder coating. Heavy duty PMDC motors for suitable capacities are provided for long time, continuous operation. Fixed speed and variable speed models are offered. Platform is provided RPM range-up to 250 RPM, electronic control, 0-60 min timer. Workable on 220 V AC 50Hz single phase.



Magnetic Stirrer LAB-156 Series





These equipment's are intended for stirring solutions of low viscosity in open or closed vessels. Stirring is accomplished by magnetized Teflon coated paddle to be placed in the container. Each apparatus of this group can be operated on a bench, a stand or a laboratory scaffold as well. The intensity of stirring, depending on requirements, can be adjusted with the thyristorized voltage controller incorporated which also ensures step less adjustments from very low to the maximum agitation. Stirring is done by PMDC motor for higher torque at low speeds. Workable on 220 V AC 50Hz single phase.

Capacity	Hot Plate
1-2 L	NA
1-2 L	300 W
3-5 L	NA
3-5 L	500 W

Optional: -

1. Digital R.P.M indicator
2. Microprocessor PID digital temp. indicator cum controller



Laboratory Stirrer LAB-157 Series



Fitted with speed regulator, height and space adjustable, base made of cast iron, 1/20 H.P. AC/PMDC motor
Workable on 220 V AC 50Hz single phase.

Optional :-

1. Timer (0-60 min)
2. With drill chuck for holding stirring rod



Fume Hood (Wooden/Mild Steel)

The work surface of granite is fitted with small wash basin & good quality tap. A gas cock is also fitted. Sliding sash made of toughened glass moves vertically up and down with concealed counter balanced weights.



Fume Hood (Wooden)





Fume Hood (Mild Steel)

Chamber is fitted with 36W poly-carbonate fluorescent light assembly. Space underneath the work surface is provided with storage compartment. 15/5 Amp socket with switches is provided for light and exhaust system. Supplied with cord and plug to work on 220 volts 1/3 phase 50Hz A.C. Complete with motor blower for exhaust system and Duct to take out fumes.
Fume Hood (Stainless Steel). Frame of S.S. 304 grade from outside & 316 grade inside.

Model	Size
LAB-60-01	90 x 60 x 60 cm
LAB-60-02	120 x 60 x 60 cm
LAB-60-03	120 x 75 x 75 cm
LAB-60-04	150 x 75 x 75 cm





Fume Hood (Mild Steel). M.S. Frame with powder coated paint finish.

Model	Size
LAB-60-05	90x60x60cm.
LAB-60-06	120x60x60cm.
LAB-60-07	120x75x75cm.
LAB-60-08	150x75x75cm.
Fume Hood (Wooden) Ply-Board frame with melamine lamination from outside and epoxy painted from inside.	
Model	Size
LAB-60-09	90x60x60cm.
LAB-60-10	120x60x60cm.
LAB-60-11	120x75x75cm.
LAB-60-12	90x60x60cm.



Digital Shaking Machine



Platform size in cm

45x45 mm

45x45 mm

45x45 mm

55x55 mm

65x65 mm

105x105 mm

105x105 mm

Holding capacity

25 flasks of 100 ml

36 flasks of 50 ml

16 flasks of 250 ml

25 flasks of 250 ml

36 flasks of 250 ml

81 flasks of 250 ml

64 flasks of 500 ml

Optional :-

1 Digital R.P.M. indicator

2 Digital timer (0-99 min.)



Reciprocating Shaking Machine (Kahn Rack Type)

Designed for shaking kahn rack, bottles, flasks of different size by adjusting compartments. Body made out of thick mild steel finished with powder coating. Fitted with heavy duty PMDC motor on 220 V AC 50Hz single phase. RPM range to about 250 stokes/min.



Size of carrier	Stokes/min
20"x13"x4"	250
31"x17"x4"	50-250
36"x18"x4"	50-250

Optional: -

- 1 Digital R.P.M. indicator
- 2 Digital timer (0-99 min.)



Vertical Autoclave

Vertical Radial locking Autoclave made using high grade stainless steel. Radial locking lid, incorporated with pressure Gauge, manual exhaust valve & water level indicator, makes sure that vertical radical locking autoclave is safe to use. Inner chamber, outer chamber & support ring are fully made of SS. Heater cover, stand & carrier/ bucket are made of stainless steel. Lid is fitted with pressure Gauge, Spring loaded safety valve, double safety valve, manual exhaust valve, vacuum breaker as a safety device & water level indicator. Drain v a l v e f a c i l i t y for easy cleaning of the chamber. Molded joint less rubber gasket. All internal joints are argon arc welded, ground & polished to give service free internals. Miniature circuit breaker for mains on/off plus safety of control panel. Industrial grade energy efficient heaters reduce power bills drastically.



Inner Dimensions (Inch/mm)	Capacity	Heater Load
10x18" / 250x450	22 L	2.0 KW
12x20" / 300x500	40 L	2.0 KW
14x22" / 350x550	50 L	3.0 KW



Industrial grade energy efficient heaters reduce power bills drastically.

Inner Dimensions (Inch/mm)	Capacity	Heater Load
10x18" / 250x450	22 L	2.0 KW
12x20" / 300x500	40 L	2.0 KW
14x22" / 350x550	50 L	3.0 KW
16x24" / 400x600	78 L	4.0 KW
18x24" / 450x600	98 L	4.0 KW
22x30" / 550x750	187 L	4.0 KW

Sterilizing Pressure 1.2 kgf/cm² (15 Psi) at 121°C

Operating Pressure: 15 Psi

Pressure Vessel made of High-Grade SS

External Wall made of High-Grade SS.

Top Lid High Grade SS

Basket High Grade SS

Power Supply 220 - 230V AC, 50/60Hz

Optional:

- A. Automatic Pressure Control Switch
- B. Automatic Low water cut off system.



Paraffin Embedding Wax Bath



Thermostatically controlled Double walled with cups and sleeves for glass tubes. Temperature up to 95° C with accuracy of 1° C

Available in flowing capacity :-

4 Cups and 6 sleeves

6 Cups and 8 sleeves

12 Cups and 14 sleeves





ROTARY VACUUM EVAPORATOR

FEATURES:

-  5 Test Profiles
-  100 Hrs. Digital Timer
-  Digital RPM upto 280
-  One Press Motorised Platform
-  16x2 α-Numeric LCD Display
-  Soft Touch Keypad
-  Power Failure Protection

SPECIFICATIONS:

MODEL :	
ROTATION SPEED :	20 - 280 (± 2 RPM)
TIMER :	99:59 (100 hrs.)
DISPLAY :	16x2 α-Numeric LCD
TEMPERATURE :	Ambient to 180°C (Acc. ± 2°C)
KEYPAD :	Soft Touch
CONDENSER :	H = Horizontal & V = Vertical
BOILING FLASK :	x = 1L, 2L, 3L, 4L & 5L
BATH CAPACITY :	4 Litre, Double Walled
DRIVE SYSTEM :	DC Motor
POWER SUPPLY :	220 V ± 10%, 50 Hz
DIMENSIONS (approx) :	480 mm x 380 mm x 775 mm
WEIGHT (approx) :	32.725 Kg

SPECIFICATION AND APPEARANCE ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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Rotary Vacuum Evaporator, Cat No.: 219B is supplied complete with D.C. geared drive unit, supports stand fitted on auto lifting assembly (new) arrangement for positioning glass assembly, variable digital rpm speed regulator, digitally controlled temperature of stainless steel water bath, double coiled glass condenser with three opening for vacuum and cooling, pear shape evaporating flask capacity 800 ml. Receiver flask capacity one litre with ball joint, feeding tube and vapor path tube, a complete working unit.

- Specifications:**
- Temp. : ambient to 200 deg. C (accuracy ± 0.5 deg. C)
 - RPM : 20 to 280 (accuracy ± 1 rpm)
 - Sensors : pt - 100
 - Display : LCD 16x2
 - Heater : 1000 watts stainless steel
 - Power# : 220 / 230v ac, 50 hz
- # 100 / 110 v ac, 60 hz (on request).

Design & specifications subject to change without notice.

Analog & without auto lifting models also available. on side warranty charges extra**

