Radical Scientific Equipments Pvt. Ltd.

(An ISO 9001, 14001 & 13485 Certified Company)









Educational & Research

Laboratory Equipment







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(An ISO 9001, 14001 & 13485 Certified Company)

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Radical Scientific Equipments Pvt. Ltd.

RLE-10 Mini Centrifuge

Maximum speed 1000 R.P.M spin top with two heads 6 x 1.5 ml and 12 x 0.5 ml tube. Microprocessor based digital with speed control step of 1000 R.P.M, fitted with imported motor with USA without carbon (Brushless).



RLE-20 Mini Centrifuge

Maximum speed 7000 R.P.M spin top with two heads 6 x 1.5 ml and 12 x 0.5 ml tube. Machine runs on fixed speed.

RLE-30L Digital Serum Centrifuge Machine

Most Useful for pathological. Brushless, maintenance free A.C Motor without carbon. Maximum speed 2850 R.P.M. Digital Timer 0-59 min, digital R.P.M Meter, LCD display. Speed is control through microprocessor based speed controller from 500 R.P.M up to 2850 R.P.M. The body is made of rust free, full plastic molding with stainless steel protection. Prices are with on rotor head either 8 x15 ml or 16 vaccutainers or 16 serum tubes of 12 x 75mm of Borosil (choose any one).



- **Price of addition Rotor Head if required from above option is available at extra cost.**

RLE-40N Delux Digital Lab Centrifuge, Maximum Speed 4200 R.P.M.

Fitted with microprocessor based 2 lines 16 character LCD panel for 0-59 minutes countdown timer, digital R.P.M meter and programmable speed controller. The body is made of full plastic molding S.S protection bowl.

- The rotors which are available with this model are as under :

a) 8 x 15 ml, swing out head.
b) 8 x 15 ml, angle head.
c) 12 x 15 ml, angel head.



RLE-40N Digital Lab Centrifuge, Maximum Speed 4200 R.P.M.

Fitted with microprocessor based 4 lines 16 character LCD panel for 0-59 minutes countdown timer, digital R.P.M. meter and programmable speed controller. The body is made of full plastic molding S.S protection bowl. It is also featured with dynamic brake, electronic lid lock, imbalance detector, 10 programme memory, 3 accelerations and 3 decelerations.

- **The rotors which are available with this model are as under:**

a) 8 x 15 ml, swing out head.
b) 8 x 15 ml, angle head.
c) 12 x 15 ml, angel head.

RLE-50 Digital Lab Centrifuge Maximum speed 5200 R.P.M.

Microprocessor based square M.S Body duly powder coated with double walled light weight ABS lid. It is fitted with microprocessor based 2 lines 16 characters LCD panel for 0-59 minutes countdown timer, digital R.P.M meter and programmable speed controller.

(Picture same as RLE-50 Deluxe)

RLE-50 DELUXE Digital Lab Centrifuge Maximum speed 5200 R.P.M

Microprocessor based square M.S Body duly powder coated with double walled light weight ABS lid. It is fitted with microprocessor based 4 lines 16 characters LCD panel for 0-59 minutes countdown timer, digital R.P.M meter and programmable speed controller. It is also featured with dynamic brake, electronic lid lock, imbalance detector, 10 program memory, 3 accelerations and 3 decelerations.

- **Rotor head for RLE-50 and RLE-50 DELUXE model can be selected form below mentioned types as per customer requirement at extra cost.**

a) 16 x 15 ml, swing out head
b) 12 x 15 ml, swing out head
c) 8 x 15 ml, swing head,
d) 6 x 50 ml, swing out head
e) 4 x 50 ml, swing out head
f) 16 x 15 ml angle head
g) 12 x 15 ml, angle head
h) 8 x 15 ml, angle head
i) 6 x 50 ml, angle head
j) 4 x 50 ml, angle head
k) 4 x 100 ml angle head
l) 24 x 15 ml, angle head



RLE-50 L Brushless Laboratory Centrifuge, Maximum speed 6000 R.P.M :

Fitted with maintenance free BLDC motor (with carbons). Square M.S body duly powder coated with hydraulic lid. Microprocessor based 4 lines 16 characters LCD display for 0-99 minute's countdown timer, digital R.P.M meter and pre-set programmable speed regulator. It is also featured with dynamic brake, electronic lid lock, imbalance detector, 10 program memory, 3 accelerations and 3 decelerations.

- **Rotor can be selected form below mentioned types as per customer requirement at extra cost.**

a) 16 x 15 ml, swing Rotor
b) 24 x 15 ml, angle rotor
c) 24 x 7 ml, swing rotor
d) 4 x 100 ml, angle head,
e) 6 x 50 ml, swing out head
f) 16 x 15 ml angle head
g) 8 x 15 ml, angle head
h) 6 x 50 ml, angle head
i) 16 vaccutainers in swing out head



RLE-60 Brushless Laboratory Centrifuge Maximum speed 6000 R.P.M. PREMIUM MODEL

High capacity with brushless induction motor. This premium model has square M.S. body duly powder coated with Hydraulic lid. Microprocessor based 4 lines 16 characters LCD display for 0-99 minute's countdown timer, digital R.P.M meter and pre-set programmable speed regulator.

It is also featured with dynamic brake, electronic lid lock, imbalance detector, 10 program memory, 3 accelerations and 3 decelerations.

- **Rotor can be selected form below mentioned types as per customer requirement at extra cost.**

a) 32 x 15 ml, swing rotor Maximum speed on this head is 5000 R.P.M
b) 36 x 15 ml, Angle rotor Maximum speed on this head is 6000 R.P.M
c) 48 x 7 ml, swing rotor Maximum speed on this head is 5000 R.P.M
d) 32 Vaccutainers, swing rotor Maximum speed on this head is 5000 R.P.M

(Picture same as RLE-50 L)

RLE- 70 Medium High Lab Centrifuge, Maximum Speed 10000 R.P.M.

Microprocessor based square M.S Body duly powder coated with double walled light weight ABS lid. It is fitted with microprocessor based 2 lines 16 characters LCD panel for 0-59 minutes countdown timer, digital R.P.M meter and programmable speed controller.



- This centrifuge machine will be available with 8 x 15 ml or 4 x 50 ml (Angle Rotor Head), **choose any one**.

RLE-80 Digital Micro Centrifuge Machine, 16000 R.P.M.

It is fitted with microprocessor based 2 lines 16 characters LCD panel for 0-59 minutes countdown timer, digital R.P.M meter and programmable speed controller.

This centrifuge will be supplied with 12 micro tubes of 2 ml / 1.5 ml. or 0.2 / 0.5 ml micro tubes (24 or 30 micro tubes options are also available).



RLE-80 DELUXE Digital Micro Centrifuge Machine, 16000 R.P.M.

It is fitted with microprocessor based 4 lines 16 characters LCD panel for 0-59 minutes countdown timer, digital R.P.M meter and programmable speed controller.

This centrifuge will be supplied with 12 micro tubes of 2 ml / 1.5 ml. or 0.2 / 0.5 ml micro tubes (24 or 30 micro tubes options are also available)

It is also featured with dynamic brake, electronic lid lock, imbalance detector, 10 program memory, 3 accelerations and 3 decelerations.
(Picture same as RLE-80)

RLE-90 Brushless Micro Centrifuge Machine, 20000 R.P.M.

Microprocessor model with maintenance free brushless induction motor. It is designed as per international standards of S.S protection Bowl.
It is fitted with microprocessor based 4 lines 16 characters LCD panel for 0-99 minutes countdown timer, digital R.P.M meter and programmable speed controller.
It is also featured with dynamic brake, electronic lid lock, imbalance detector, 10 program memory, 3 accelerations and 3 decelerations.

- **Rotor can be selected form below mentioned types as per customer requirement at extra cost.**

a) Angle Rotor 12 x 1.5 / 2 ml with adopters with 0.5 / 0.2 ml (maximum speed 20000 R.P.M)
b) Angle Rotor 24 x 1.5 / 2 ml with adopters with 0.5 / 0.2 ml (maximum speed 16000 R.P.M)
c) Angle Rotor 8 x 5ml (maximum speed 13000 R.P.M)



RLE- 110 Digital Hematocrit centrifuge, Maximum Speed 13000 R.P.M.

It has 2 lines 16 characters LCD Display. It is fitted with microprocessor based digital timer, digital R.P.M meter and programmable regulator.
It is supplied with rotor + reading device + 1 packet of capillaries, 1 pc. Of wax sealing tray and instruction manual.



RLE- 110 DELUXE Digital Hematocrit centrifuge, Maximum Speed 13000 R.P.M.

It has 4 lines 16 characters LCD Display. It is fitted with microprocessor based digital timer, digital R.P.M meter and programmable regulator.
It is also featured with dynamic brake, electronic lid lock, imbalance detector, 10 program memory, 3 accelerations and 3 decelerations.
It is supplied with rotor + reading device + 1 packet of capillaries, 1 pc. of wax sealing tray and instruction manual.
(Picture same as RLE-110)

RLE- 110 N Brushless Hematocrit centrifuge, Maximum Speed 11400 R.P.M.

It is fitted with maintenance free brushless motor. Maximum speed on 24 capillary Hematocrit rotor is 11400 R.P.M. fitted with digital timer, digital speed indicator and microprocessor based digital speed controller.
It is supplied with rotor + reading device + 1 packet of capillaries, 1 pc. of wax sealing tray and instruction manual.
(Picture same as RLE-110)

RLE- 120 High Speed Lab Centrifuge Machine, Maximum Speed 20000 R.P.M.

It is a high capacity, high speed bench top laboratory centrifuge machine. It has 4 lines 20 characters LCD Display. It is fitted with microprocessor based digital timer, digital R.P.M meter and programmable Speed regulator.
It is also featured with dynamic brake, electronic lid lock, imbalance detector, 10 program memory, 3 accelerations and 3 decelerations. Maximum speed of machine is 20000 R.P.M, further speed depends upon the rotor being used with the machine.

- **Rotor can be selected form below mentioned types as per customer requirement at extra cost.**

a) Angle Head 12 x 1.5 ml (maximum speed 20000 R.P.M)
b) Angle Rotor 24 x 1.5 ml (maximum speed16000 R.P.M)
c) Angle Rotor 6 x 50ml (maximum speed 13000 R.P.M)
d) Angle Rotor 4 x 100ml (maximum speed 13000 R.P.M)
e) Angle Rotor 8 x 15ml (maximum speed 13000 R.P.M)
f) Angle Rotor 6 x 2000ml (maximum speed 7000 R.P.M)
g) Angle Rotor 8 x 100ml (maximum speed 7000 R.P.M)
h) Angle Rotor 12 x 50ml (maximum speed 7000 R.P.M)

RLE- 130 Universal Brushless Laboratory Centrifuge Machine, Maximum Speed 20000 R.P.M

It is a high capacity, high speed bench top laboratory centrifuge machine. This model is supplied with brushless induction motor which is maintenance free and microprocessor based. Square M.S body duly powder coated with hydraulic lid and electronic lid lock. It is fitted with 0-99 minutes countdown timer, digital R.P.M Meter



- **Rotor can be selected form below mentioned types as per customer requirement at extra cost.**

a) Angle Head 12 x 1.5/ 2 ml (maximum speed 20000 R.P.M)
b) Angle Rotor 24 x 1.5 ml (maximum speed 16000 R.P.M)
c) Angle Rotor 6 x 50 ml (maximum speed 13000 R.P.M)
d) Angle Rotor 4 x 100 ml (maximum speed 13000 R.P.M)
e) Angle Rotor 8 x 15 ml (maximum speed 13000 R.P.M)

RLE-140 Refrigerated Micro Centrifuge Machine, Maximum Speed 16000R.P.M.



Digital, Microprocessor based. It is fitted with microprocessor based LCD panel for 0-59 minute's countdown timer, digital R.P.M meter and programmable speed controller. Standby temperature from -20°C to room temperature is controlled by microprocessor based digital temperature cum indicator. Working temperature. Capacity 12 micro tubes of 2 ml/ 1.5 ml is High Temperature Oven with adopters for 0.2/ 0.5 ml micro tubes.

RLE-140 N Brushless Refrigerated Micro Centrifuge Machine, Maximum Speed 20000R.P.M.

Microprocessor based. It is fitted with microprocessor based LCD panel for 0-59 minute's countdown timer, digital R.P.M meter and programmable speed controller. Standby temperature from -20°C to room temperature is controlled by microprocessor based digital temperature cum indicator. Working temperature. Capacity 12 micro tubes of 2 ml/ 1.5 ml is supplied with adopters for 0.2/ 0.5 ml micro tubes. Also fitted with maintenance free brushless motor (without carbon).

(Picture same as RLE-140)

RLE-150 Refrigerated Universal Centrifuge Machine, Maximum Speed 16000R.P.M.

It is digital microprocessor centrifuge with a maximum speed of 16000 R.P.M, further speed depends upon rotor being used. It is fitted with microprocessor based LCD panel for 0-59 minute's countdown timer, digital R.P.M meter and programmable speed controller. Standby temperature from -20°C to room temperature is controlled by microprocessor based digital temperature cum indicator.

- **Rotor can be selected form below mentioned types as per customer requirement at extra cost.**

a) Angle Rotor 12 x 1.5 / 2.2 ml with adopters with 0.5 / 0.2 ml (maximum speed 16000 R.P.M)
b) Angle Rotor 24 x 1.5 / 2.2 ml with adopters with 0.5 / 0.2 ml (maximum speed 13000 R.P.M)
c) Angle Rotor 8 x 15 ml made from special alloy with stand pulling and high speed (maximum speed 7000 R.P.M)
d) Angle Rotor 4 x 50 ml made from special alloy with stand pulling and high speed (maximum speed 7000 R.P.M)

(Picture same as RLE-140)

RLE-160 Brushless Universal Refrigerated Centrifuge, Maximum Speed 20000 R. P. M



It is digital microprocessor centrifuge with a maximum speed of 16000 R.P.M, further speed depends upon rotor being used. It is fitted with microprocessor based LCD panel for 0-59 minute's countdown timer, digital R.P.M meter and programmable speed controller. Standby temperature from -20°C to room temperature is controlled by microprocessor based digital temperature cum indicator.

- **Rotor can be selected form below mentioned types as per customer requirement at extra cost.**

a) Angle Rotor 12 x 1.5 / 2.2 ml with adopters with 0.5 / 0.2 ml (maximum speed 20000 R.P.M)
b) Angle Rotor 24 x 1.5 / 2.2 ml with adopters with 0.5 / 0.2 ml (maximum speed 16000 R.P.M)
c) Angle Rotor 8 x 15 ml (maximum speed 13000 R.P.M)
d) Angle Rotor 4 x 50 ml (maximum speed 13000 R.P.M)
e) Angle Rotor 4 x 100 ml (maximum speed 7000 R.P.M)

RLE-170 Tube Roller

Tube roller can be used for rocking and rolling for complete mixing. It is ideal for mixing blood samples, viscous substances and liquid-solid suspensions. It is used in variety of applications, prevention of blood coagulation and immune precipitation. It has a total of six roller with small footprints and it is very easy to clean. It has a quite DC brushless motor which is reliable, sound and maintenance free. It can be used in cold rooms or in incubators.

Technical Specification:

Voltage:	220-240V
Frequency:	50 Hz
Power:	25
Motor Type:	DC Motor
Rocking Motion:	Rocking and Rolling
Amplitude:	24mm
Max. load capacity:	4kg
Number of Rollers:	6
Roller Size:	280mm
Speed Range:	0-70rpm
Speed Display:	Scale
Operation Type:	Continuous operation
Dimensions:	450 X 260 X 120 mm
Weight:	4.5 kg
Permissible ambient Temperature:	5-40^0 C
Permissible ambient Humidity:	80%



RLE-180 Tube Rotator

Tube rotators give gentle but effective mixing of biological samples to be held in 1.5 ml to 50 ml tubes used in a variety of applications including immune precipitations, prevention of blood coagulation and latex diagnostics. It has a disk type design. It LCD displays and digital speed control allows procedures to be accurate. It has dual dish accessories for larger tubes.

Technical Specification:

Voltage:	220-240V
Frequency:	50 Hz
Power:	40 W
Motor Type:	DC Motor
Tilt Angle:	0 - 900
Speed Range:	0-70rpm
Speed & Timer Display:	LCD
Time Setting Range:	1 - 1199 min
Operation Type:	Continuous / timed operation
Dimensions:	510 x 190 x 260 mm
Weight:	8 kg
Permissible ambient Temperature:	5-400 C
Permissible ambient Humidity:	80%





Spare accessories at extra cost:

Code No.	Product	No. Per Case
R-1271	Disk accessory for 1.5 ml x 60 micro centrifuge tubes	1
R-1272	Disk accessory for 50 ml x 8 centrifuge tubes	1
R-1273	Disk accessory for 15 ml x 16 tubes	1
R-1274	Disk support rods used with disk accessories	4

RLE-190 Rotating Mixer

This rotating mixer give gentle but effective mixing of biological samples to be held in 1.5ml to 50 ml tubes used in a variety of applications including immune precipitations, prevention of blood coagulation and latex diagnostics. It has a rotisserie type design. Its LCD displays and digital speed control allows procedures to be accurate.

Technical Specification:

Voltage	220-240V
Frequency	50 Hz
Power	40
Motor Type	DC Motor
Tilt Angle	0 - 90⁰
Speed Range	0-70rpm
Speed & Timer Display	LCD
Time Setting Range	1 - 1199
Operation Type	Continuous / timed operation
Dimensions	510 x 190 x 260 mm
Weight	8 kg
Permissible ambientTemperature	5-40⁰ C
Permissible ambient Humidity	80%



Spare accessories at extra cost:

Code No.	Product	No. Per Case
R-1281	Rotisserie accessory for 1.5 ml x 48 micro centrifuge tubes horizontally	1
R-1282	Rotisserie accessory for 50 ml x 24 centrifuge tubes horizontally	1
R-1283	Rotisserie accessory for 15 ml x 24 centrifuge tubes horizontally	1
R-1284	Rotisserie accessory for 1.5 ml x 32 micro centrifuge tubes vertically	1
R-1285	Rotisserie accessory for 50 ml x 16 centrifuge tubes vertically	1
R-1286	Rotisserie accessory for 15 ml x 16 centrifuge tubes vertically	1
R-1274	Disk support rods used with disk accessories	4

RLE-200 Rocking Shaker with flat mat, platform size 35 x 30 cm

It is designed to provide precise speed and tilt angles required for broad range of molecular and biological mixing application. These are used for staining and distaining gel, hybridization procedure, hematology and blotting techniques. The speed and tilt is adjustable for a wide range of applications. These are safe to be used in cold room and incubator. It has a unique dual platform accessory which can be brought separately to double work surface.

Technical Specification:

Voltage	220 - 240 V
Frequency	50 Hz
Shaking Movement	Rocking (2 Dimensional)
Speed Range	2 – 30 rpm, Variable
Tilt Angle	0⁰ - 30⁰, Variable
Load Capacity	Maximum 2.3 kg
Dimension	350 x 300 x 200 mm
Weight	3.4 kg
Permissible ambient temperature	+4 - 65⁰ C
Permissible relative humidity	80%



Spare accessories at extra cost:

Code No.	Product	No. Per Case
R 1241	Staking Platform with Flat Mat with 3 feet clearance	1
R 1242	Dimpled Mat	1
R 1243	Bungee Cord to secure vessels	4

RLE-210 Dancing Shaker with flat mat, Platform size 30 x 30 cm.

It is designed to provide precise speed and tilt angles required for broad range of molecular and biological mixing application. These are used for staining and distaining gel, mixing of lab samples and blotting techniques. It has a unique instant tilt technology wherein the user can simply grip the platform with two hands and move it to the desired position without any tool and disassembly. These are safe to be used in cold room and incubator. It has a unique dual platform accessory which can be brought separately to double work surface.

Technical Specification:

Voltage	**220-240V**
Frequency	50 Hz
Shaking Movement	Dancing (3 Dimensional)
Speed Range	2 – 30 rpm, Variable
Tilt Angle	0^0 - 30^0 Variable
Load Capacity	Maximum 2.3 kg
Dimension	300 x 300 x 200 mm
Weight	3.4 kg
Permissible ambient Temperature	+4 to +65^0 C
Permissible ambient Humidity	80%



Spare accessories at extra cost:

Code No.	Product	No. Per Case
R 1251	Staking Platform with Flat Mat with 3 feet clearance	1
R 1252	Staking Platform with Dimpled Mat with 3 feet clearance	1
R 1253	Bungee Cord to secure vessels	4

RLE- 220 Orbital Shaker Junior with Flat Mat, Platform size 24 x 20 cm

It is a powerful orbital shaker is capable of mixing liquids in bottles, flasks, test tubes and dishes. It has digital speed control of up to300 rpm. It has horizontal circular 19 mm orbit for aeration and mixing.
Its Universal magnetic clamp can be instantly exchanged.
These shakers have a capacity of up to 12 x 125 ml, 8 x 250 ml, 6 x 500 ml and 4 x 1l flasks and bottles.

Technical Specification:

Voltage	**220-240 V**
Frequency	50 Hz
Shaking Movement	Orbital
Speed Range	50 – 300 rpm, Variable
Speed Increment	10 rpm
Orbit	19 mm
Load Capacity	Maximum 4 kg
Dimension	280 x 270 x 130 mm
Weight	5.5 kg
Permissible ambientTemperature	+4 to +65^0 C
Permissible ambient Humidity	80%



Spare accessories at extra cost:

Code No.	Product	No. Per Case
R 1261	Universal Magnetic platform for flasks and tube racks	1
R 1262	Adjustable spring platform for unique vessel types	1

RLE-230 Orbital Shaker with Flat Mat, Platform Size 33 x 30 cm.

It is capable of mixing liquids up to a load capacity of 6kg in bottles, flasks, test tubes and dishes. It orbital shaker has digital speed control of up to 300 r.p.m. These shakers have high capacity of up to 24x125ml., 14x250ml, 9x500ml, 5x11 and 2x2L flasks and bottles. These shakers have horizontal circular 19mm orbit for aeration and mixing. Its Universal magnetic clamp can be instantly exchanged.



Technical Specification:

Voltage	220-240V
Frequency	50 Hz
Shaking Movement	Orbital
Speed Range	30 – 300 rpm, Variable
Speed Increment	1 rpm
Orbit	19 mm
Load Capacity	Maximum 6 kg
Dimension	280 x 330 x 75 mm
Weight	11.25 kg
Permissible ambientTemper	+4 to +65^0 C
Permissible ambient Humidity	80%

Spare accessories at extra cost:

Code No.	Product	No. Per Case
R 1291	Universal Magnetic platform for flasks and tube racks	1
R 1292	Adjustable spring platform for unique vessel types	1
R 1293	Platform for 4 microplates	1
R 1294	Platform for 1 x 125ml	1
R 1295	Platform for 8 x 250ml	1
R 1296	Platform for 5 x 500ml	1

Spare Clamps for all range of Orbital Shakers

Code No.	Product	No. Per Case
R 1263	Magnetic clamp for 2000 ml	1
R 1264	Magnetic clamp for 1000 ml	1
R 1265	Magnetic clamp for 500 ml	1
R 1266	Magnetic clamp for 250 ml	1
R 1267	Magnetic clamp for 125 ml	1
R 1268	Magnetic clamp for 50 ml	1
R 1269	Magnetic clamp for micro plate	1

RLE-240 Laminar Air Flow (Vertical)

It is made of thick p;yboard covered with white sunmica and epoxy painted inside. Workbench covered with 304 grade S.S Perforated Sheet. Microprocessor control digital display with filter failure alarm.

Model	Size
RLE-240-01	Laminar Air Flow (Vertical) With S.S. Workbench, **(Size 60x60x60cm.)**
RLE-240-02	Laminar Air Flow (Vertical), with S.S. Workbench, **(Size 90x60x60cm.)**
RLE-240-03	Laminar Air Flow (Vertical), with S.S. Workbench, **(Size 120x60x60cm.)**
RLE-240-04	Laminar Air Flow (Vertical), with S.S. Workbench, **(Size 180x60x60cm.)**
RLE-240-05	Exhaust System for Laminar Air Flow



RLE-250 Laminar Air Flow (Vertical)

The workbench covered with 304 grade S.S. Perforated Sheet. Microprocessor control digital display with filter sailure alarm.

Model	Size
RLE-250-01	Laminar Air Flow (Vertical) Complete S.S. **(Working Area Size 60 x 60 x 60 cm)**
RLE-250-02	Laminar Air Flow (Vertical) Complete S.S. **(Working Area Size 90 x 60 x 60 cm)**
RLE-250-03	Laminar Air Flow (Vertical) Complete S.S. **(Working Area Size 120 x 60 x 60 cm)**

RLE-250-04 Laminar Flow with Glass Bead Sterlizer

Thick plyboard covered with white sunmica and epoxy painted side. Workbench covered with 304 grade S.S. Sheet. Laminar Flow fited with microprocessor control digital display with flter failure alarm. Laminar flow provided with Glass Bead Sterlizer and 5 amp. socket with switch.



RLE-260 Laminar Flow IVF (In Virto Fertilization)

The IVF Bench provides ISO Class 3 Air Cleanliness with the workarea. Constant temperature (37°C ± 0.4°C) at working platform with digital display. Temperature adjustable id needed. High quality ULPA filters.

RLE-270 Laminar Flow (Horizontal)

It is made of thick plywood covered with white sunmica and epoxy painted Inside. Workbench covered with 304 grade S.S. Sheet Laminar Flow Fitted with microprocessor control digital display with filter failure alarm.

Model	Size
RLE-270-01	Laminar Air Flow (Horizontal) with S.S.work bench, with microprocessor and alarm (Working Area Size 60 x 60 x 60 cm)
RLE-270-02	Laminar Air Flow (Horizontal) with S.S.work bench, with microprocessor and alarm (Working Area Size 90 x 60 x 60 cm)
RLE-270-03	Laminar Air Flow (Horizontal) with S.S.work bench, with microprocessor and alarm (Working Area Size 120 x 60 x 60 cm)
RLE-270-04	Laminar Air Flow (Horizontal) with S.S.work bench, with microprocessor and alarm (Working Area Size 180 x 60 x 60 cm)



RLE-280 Laminar Flow (Horizontal)

It is made of thick plywood covered with white sunmica and epoxy painted inside. Workbench covered with 304 grade S.S. Sheet Switches for blower, fluorescent light and U.V. Light.

Model	Size
RLE-280-01	Laminar Air Flow (Horizontal) with S.S.work bench (Working Area Size 60 x 60 x 60 cm)
RLE-280-02	Laminar Air Flow (Horizontal) with S.S.work bench (Working Area Size 90 x 60 x 60 cm)
RLE-280-03	Laminar Air Flow (Horizontal) with S.S.work bench (Working Area Size 120 x 60 x 60 cm)
RLE-280-04	Laminar Air Flow (Horizontal) with S.S.work bench (Working Area Size 180 x 60 x 60 cm)

RLE-290 Laminar Flow (Horizontal) made of 304 grade S.S.



The work bench covered with 304 grade S.S. sheet. Microprocessor control digital display with filter failure alarm.

Model	Size
RLE-290-01	Laminar Air Flow (Horizontal) Complete S.S. (Working Area Size 60 x 60 x 60 cm)
RLE-290-02	Laminar Air Flow (Horizontal) Complete S.S. (Working Area Size 90 x 60 x 60 cm)
RLE-290-03	Laminar Air Flow (Horizontal) Complete S.S. (Working Area Size 120 x 60 x 60 cm)

RLE-300 Laminar Flow (Horizontal) made of Mild Steel



The work bench covered with 304 grade S.S. sheet. Microprocessor control digital display with filter failure alarm.

Model	Size
RLE-300-01	Laminar Air Flow (Horizontal) Mild Steel (Working Area Size 60 x 60 x 60 cm)
RLE-300-02	Laminar Air Flow (Horizontal) Mild Steel (Working Area Size 90 x 60 x 60 cm)
RLE-300-03	Laminar Air Flow (Horizontal) Mild Steel (Working Area Size 120 x 60 x 60 cm)

RLE-310 Bio Safe Cabinet



It is made of thick plyboard covered with sunmica and epoxy painted inside. Fitted with HEPA Filter, UV light and fluorescent light 70% Air re-circulate & 30% Air Exhaust. Fitted with virus burnout unit.

Model	Size
RLE-310-01	Biosafe cabinet (wooden), Class II, A-2. (Working Area Size 60 x 60 x 60 cm)
RLE-310-02	Biosafe cabinet (wooden), Class II, A-2. (Working Area Size 90 x 60 x 60 cm)
RLE-310-03	Biosafe cabinet (wooden), Class II, A-2. (Working Area Size 120 x 60 x 60 cm)
RLE-310-04	*Steriflow Portable Laminar Air Flow for Field use.

RLE-320 Bio Safe Cabinet made of Mild Steel

It is fitted with HEPA Filter, UV light and fluorescent light. 70% Air re-circulate & 30% Air Exhaust. Fitted with Virus Burnout unit.

Model	Size
RLE-320-01	Biosafe cabinet (Mild Steel), Class II, A-2. (Working Area Size 60 x 60 x 60 cm)
RLE-320-02	Biosafe cabinet (Mild Steel), Class II, A-2. (Working Area Size 90 x 60 x 60 cm)
RLE-320-03	Biosafe cabinet (Mild Steel), Class II, A-2. (Working Area Size 120 x 60 x 60 cm)

RLE-330 Bio Safe Cabinet made of 304 grade Stainless Steel

It is fitted with HEPA Filter, UV light and Fluorescent light. 70% Air re-circulate & 30% Air Exhaust. Fitted with Virus Burnout unit.

Model	Size
RLE-330-01	Biosafe cabinet (Stainless Steel), Class II, A-2. (Working Area Size 60 x 60 x 60 cm)
RLE-330-02	Biosafe cabinet (Stainless Steel), Class II, A-2. (Working Area Size 90 x 60 x 60 cm)
RLE-330-03	Biosafe cabinet (Stainless Steel), Class II, A-2. (Working Area Size 120 x 60 x 60 cm)

RLE-340 Bio Safe Cabinet made of Mild Stainless Steel

It is fitted with HEPA filter, UV light and Fluroscent light. 100% Air Exhaust. Fitted with Virus Burnout unit.

Model	Size
RLE-340-01	Biosafe cabinet (Mild Steel), Class II, B-2. (Working Area Size 60 x 60 x 60 cm)
RLE-340-02	Biosafe cabinet (Mild Steel), Class II, B-2. (Working Area Size 90 x 60 x 60 cm
RLE-340-03	Biosafe cabinet (Mild Steel), Class II, B-2. (Working Area Size 120 x 60 x 60 cm)



Kind Attention !

We supply a comprehensive range of Lab Equipment, covering more than 5000 items. If you are unable to find the products which you are looking for in this catalogue, please contact us with your Query and we will be happy to assist you.

RLE-350 Fume Hood

Biosafe cabinet made of mild steel. Fitted with HEPA filter, UV light and fluorescent light. 67% Air recirculate & 33% Air Exhaust.



RLE-350-01



RLE- 350-05

Model	Size
RLE-350-01	Fume Hood (Stainless Steel) (Working Area Size 90 x 60 x 60 cm)
RLE-350-02	Fume Hood (Stainless Steel) (Working Area Size 120 x 60 x 60 cm)
RLE-350-03	Fume Hood (Stainless Steel) (Working Area Size 120 x 75 x 75 cm)
RLE-350-04	Fume Hood (Stainless Steel) (Working Area Size 150 x 75 x 75 cm)
RLE-350-05	Fume Hood (Mild Steel) (Working Area Size 90 x 60 x 60 cm)
RLE-350-06	Fume Hood (Mild Steel) (Working Area Size 120 x 60 x 60 cm)
RLE-350-07	Fume Hood (Mild Steel) (Working Area Size 125 x 75 x 75 cm)
RLE-350-08	Fume Hood (Mild Steel) (Working Area Size 150 x 75 x 75 cm)
RLE-350-09	Fume Hood (Wooden with Franite working Platform) (Working Area Size 90 x 60 x 60 cm)
RLE-350-10	Fume Hood (Wooden with Franite working Platform) (Working Area Size 120 x 60 x 60 cm)
RLE-350-11	Fume Hood (Wooden with Franite working Platform) (Working Area Size 120 x 75 x 75 cm)
RLE-350-12	Demostration Fume Hood (Working Area Size 90 x 60 x 60 cm)

RLE-360 Grossing Table Complete S.S. with Exhaust

It is made OS high grade stainless steel. Continuous Air Flow along entire work area. Provide with dictaphone, camera holder on railing system, magnifying glass/light magnifier with flexible arms, document holder for equisition forms, literatures etc. Magnetic instrument holder, paper towel holder, polythene cutting board, mixer tap for hot and cold water, sink with tap, sturdy performed in-setable work plate, Sprinkler system with adjustable valve for bath sanitation located underneath the performed working plate & Drawers.





RLE-370 Paraffin Embedding Bath

Thermostatically controlled, double walled, temperature up to 95° C with concentric rings.

No. of Holes
4 Holes
6 Holes
12 Holes

RLE-380 Paraffin Wax Trimmer

Incorporates a feather touch keypad with LCD Display for setting the plate temperature. Precisetemperature control. Built in memory for storing set temperatures. Corrosion resistant material for durability. Removable collection tray.

Temperature range : 30 to 80°C
Temperature increments : 1°C
Power : 240VA



RST-101 Air Universal 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 to 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. The hot oven have built- in Air `circulating fan & Timer 0-99 hours.

Chamber	Size in mms/inches	Capacity
300 x 300 x 300	(12" x 12" x 12")	28 L
350 x 350 x 350	(14" x 14" x 14")	45 L
400 x 400 x 400	(16" x 16" x 16")	65 L
450 x 450 x 450	(18" x 18" x 18")	95 L
600 x 450 x 450	(24" x 18" x 18")	125 L
600 x 600 x 600	(24" x 24" x 24")	224 L
900 x 600 x 450	(36" x 24" x 18")	252 L
900 x 600 x 600	(36" x 24" x 24")	336 L
900 x 900 x 900	(36" x 36" x 36")	720 L



RST-102 Air Universal Oven (Deluxe Model)

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 to 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. The hot oven have built- in Air circulating fan & Timer 0-99 hours.

- **Microprocessor Digital PID Temperature Indicator Cum Controller with Temperature Accuracy ± 0.5°C.**
- **Fitted with air circulating fan for maintaining equal temperature through the chamber.**

Chamber	Size in mms/inches	capacity
300 x 300 x 300	(12" x 12" x 12")	28 L
350 x 350 x 350	(14" x 14" x 14")	45 L
400 x 400 x 400	(16" x 16" x 16")	65 L
450 x 450 x 450	(18" x 18" x 18")	95 L
600 x 450 x 450	(24" x 18" x 18")	125 L
600 x 600 x 600	(24" x 24" x 24")	224 L
900 x 600 x 450	(36" x 24" x 18")	252 L
900 x 600 x 600	(36" x 24" x 24")	336 L
900 x 900 x 900	(36" x 36" x 36")	720 L

RST-103 High Temperature Oven (300°C)

Triple wall fabrication, inner chamber made of, mild steel or highly polished stainless steel sheet. Exterior fabricated out of htick 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 up to 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 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.The oven have built- in Timer 0-99 hours.



Chamber	Size in mms/inches	Shelves
300 x 300 x 300	(12" x 12" x 12")	2
350 x 350 x 350	(14" x 14" x 14")	2
400 x 400 x 400	(16" x 16" x 16")	2
450 x 450 x 450	(18" x 18" x 18")	2
600 x 450 x 450	(24" x 18" x 18")	2
600 x 600 x 600	(24" x 24" x 24")	2

RST-104 Drying Oven Industrial



Standard 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 grades glass wool. Heavy duty forced air blowers are provided to constantly circulate hot air achieve uniform temperature in the chamber. Kanthal wire heating elements provide to attain quick and uniform heating in range of 50°C to 250°C + 2-3° C controller by hydraulic type capillary thermostat. A dial type thermometer is fitted to the unit for reading the chamber temperature. Equipment suitable to be working on 220V AC 50Hz single phase. The oven have built- in Air circulating fan & Timer 0-99 hours.

Chamber	Size in mms/inches
900 x 600 x 600	(36" x 24" x 24")
1200 x 900 x 900	(48" x 36" x 36")
1500 x 900 x 900	(60" x 36" x 36")
1800 x 1200 x 900)	(72" x 48" x 36")

RST-105 Tray Dryer



Standard double wall fabrication. Outer painted with hammer tone paint finish. The gap between the walls is fitted with special grade steel 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. A dial thermometer is fitted to the unit for reading the chamber temperature. Equipment suitable to be working on 220 V 50 Hz single phase.The oven have built- in Air circulating fan & Timer 0-99 hours.

Chamber	Trays
430 x 840 x 650	8 trays of 16" x 32" x 1 1/4" size
430 x 840 x 910	12 trays of 16" x 32" x 1 1/4" size
910 x 840 x 910	24 trays of 16" x 32" x 1 1/4" size
960 x 1270 x 1440	48 trays of 16" x 32" x 1 1/4" size
960 x 1700 x 1700	96 trays of 16" x 32" x 1 1/4" size

RST-107 Incubator Bacteriological 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 to attain quick and uniform heating 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 220 V AC 50 Hz single phase.

Chamber	Size in mms/inches	Capacity (Approx)
300 x 300 x 300	(12" x 12" x 12")	28 L
350 x 350 x 350	(14" x 14" x 14")	45 L
400 x 400 x 400	(16" x 16" x 16")	65 L
450 x 450 x 450	(18" x 18" x 18")	95 L
600 x 450 x 450	(24" x 18" x 18")	125 L
600 x 600 x 600	(24" x 24" x 24")	224 L

RST-108 Incubator Bacteriological (Deluxe Model)

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 to attain quick and uniform heating 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 temp. Equipment suitable to be working on 220 V AC 50 Hz single phase.

- **Microprocessor Digital PID Temperature Indicator cum Controller with Temperature Accuracy ± 0.5°C.**
- **Fitted with air circulating fan for maintaining equal temperature through the chamber.**



Chamber	Size in mms/inches	Capacity (Approx.)
300 x 300 x 300	(12" x 12" x 12")	28 L
350 x 350 x 350	(14" x 14" x 14")	45 L
400 x 400 x 400	(16" x 16" x 16")	65 L
450 x 450 x 450	(18" x 18" x 18")	95 L
600 x 450 x 450	(24" x 18" x 18")	125 L
600 x 600 x 600	(24" x 24" x 24")	224 L
900 x 600 x 450	(36" x 24" x 18")	252 L
900 x 600 x 600	(36" x 24" x 24")	336 L
900 x 900 x 900	(36" x 36" x 36")	720 L

RST-110 Incubator B.O.D. (Bio Chemical Oxygen Demand)



Designed for low temperature incubation and routine determination of bio chemical oxygen demanded (B.O.D.). 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 temperatures varies from 5°C to 60°C adjustable at any desired point by **Dual Display Microprocessor PID Digital Temperature Indicator cum Controller** with accuracy of ±0.5°C . Air circulation fan provided to keep the temperature uniform side the chamber. Inner chamber is made up of anodized aluminum or stainless steel sheet. Supplied with two/three removable perforated shelves. Exterior made of thick mild steel duly finished in powder coating. Double wall door is provided with magnetic gasket and lock and key arrangement. Inner door made our of clear acrylic sheet allowing inspection of material in the chamber temperature. Door operated inner illumination has been provided. Incubator to work on 220V AC 50 Hz single phase.

Chamber sizes in mms	Cap. (Cu. Ft.)	Cap. (approx..)
455 x 410 x 610	4	112 L
505 x 415 x 830	6.1	171 L
565 x 565 x 865	10	280 L
650 x 580 x 900	12	336 L

RST-111 Orbital Shaking Incubator (Vertical Deluxe Model)



Outer made of M.S Sheet powder coated and 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 temp. The unit has a temp range from ambient to 60° degree. Temp. is controlled by **Dual Display Microprocessor PID Digital Temp. Indicator cum Controller** with a accuracy of ± 0.5 degree C. Air circulation fan is provided to maintain stability throughout. Speed of shaker is variable from 30 RPM. The tray of 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	Temp. Range	RPM Range
9 flasks of 250 ml	Ambient to 60°	Upto 250 RPM
16 flasks of 250 ml	Ambient to 60°	Upto 250 RPM
16 flasks of 500 ml	Ambient to 60°	Upto 250 RPM

RST-112 Orbital Shaking Incubator Cum BOD Incubator



Orbital shaking Incubator Cum BOD 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 of M.S. Sheet duly powder coated and inner chamber is made of thick S.S. Sheet. The gap between walls 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 Digital Temp. Indicator Cum Controller with the accuracy of+ 5°C. The Air Circulation fan is provided to maintain stability through Speed of shaker is variable from 30 RPM. The tray of 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	Temp. Range	RPM Range
16 flasks of 500 ml	Ambient to 50-60°	Upto 250 RPM
25 flasks of 250 ml	Ambient to 50-60°	Upto 250 RPM
36 flasks of 100 ml	Ambient to 50- 60°	Upto 250 RPM

RST-115 Humidity Cabinet



Double walled, inner made of stainless steel, outer made of thick mild steel duly powder coated. Insulation between inner and outer wall is done with glass wool to prevent any heat loss. Provided with double door, inner made of thick transparent full view glass and outer door is doubled walled made of MS. Whole unit is mounted on castor wheels. Temp. range is from ambient to 60°C & is controlled by **Dual Display Microprocessor PID digital Temperature**, Humidity range is up to 95% and is controlled by dual display Microprocessor PID digital humidity indicator cum controller. Air circulation fan is provided to maintain stability throughout

Chamber size in mms	Inches	Cap.
450 x 450 x 450	18 x 18 x 18	95 L
600 x 600 x 600	24 x 24 x 24	224 L
900 x 600 x 600	36 x 24 x 24	336 L
900 x 900 x 900	36 x 36 x 36	750 L
1200 x 1200 x 1200	48 x 48 x 48	1800 L

RST-116 Environmental Chamber



All purpose Humidity cabinet confirming to stricter specifications, specially designed for drying environment of plant & animal growth, investigation of vapors, proof ness of packed material, determination of di-electric strength, insulation test of electronic components and many other tests requiring an atmosphere of controlled temp. and humidity. Specification same as above but temp. rang. From 5°C to 60°C and humidity range to 30% to 95% + 3%. The temperature below the ambient is maintained by hermitically sealed CFC free Eco friendly compressor. Workable on 220 V AC 50 Hz single phase.

Chamber size in mms	Inches	Cap.
450 x 450 x 450	18 x 18 x 18	95 L
600 x 600 x 600	24 x 24 x 24	224 L
900 x 600 x 600	36 x 24 x 24	336 L
900 x 900 x 900	36 x 36 x 36	750 L
1200 x 1200 x 1200	48 x 48 x 48	1800 L

RST-117 Seed Germinator (Single Chamber)

Most suitable for conducting various experiment on variety of seed under different conditions of temp. and humidity. Atmospheric conditions are created within the chamber to perform different experiments without going on to the field. The double walled unit has inner chamber made of S.S and outer of Mild steel duly powder coated. Temperature from 5° C to 50° C is controlled by **Dual Display Microprocessor PID Digital Temp. Indicator Cum Controller.** Humidity (not adjustable) is created in SS reservoirs fitted at the bottom to provide 90% to 95 % Rh.
Supplied complete with trays and with lighting arrangement.



Chamber size in mms	Cap.
555 x 910 x 605	308 L

RST-118 Seed Germinator (Dual Chamber)

Same as above, But with double chamber. Heating and cooling both chambers and chamber made of S.S.

Chamber size in mms	Cap.
Two chambers of 555 x 910 x 605	308 L

RST-119 Plant Growth Chamber

Double walled, inner made of stainless steel, outer made of thick mild steel duly power coated. Insulated between inner and outer wall is done with glass wool to prevent any heat loss. Provided with double door, inner made of thick transparent full view glass and outer door is double walled made of MS. Whole unit is mounted on castor wheels. Supplied with two or three perforated trays. Temp. range from 5° to 50° deg. C is controlled by **Dual Display Microprocessor PID Digital Temp. Indicator cum Controller.** Provided with exterior illumination for artificial day light. Cyclic illumination conditions are regulated by PID Digital Humidity Indicator cum controller. Air circulation fan is provided to maintain stability throughout. Eco workable on 220 V AC 50 Hz Single phase.



Chamber size in mms	Cap. (cu.ft.)	Cap.
570 x 875 x 550	10	280 L
775 x 900 x 775	20	560 L
835 x 1200 x 825	30	840 L
900 x 1720 x 800	45.8	1282 L
1200 x 1200 x 1200	64	1792 L

RST-121 Lab Deep Freezer (-20°C)

Double walled with inner chamber made of S.S and outer chamber made of PCRC sheet duly powder coated. PUFF insulated between the walls. Refrigeration is done by CFC free eco friendly compressor. Temperature range from ambient to -20° deg C is achieved by hermetically sealed compressor. Body is mounted on a study 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. Horizontal chest type models are supplied in a single compartment where as vertical models are supplied with two or three SS trays. Workable on 220V AC.

Chamber sizes in mms	Cap. (cu. Ft.)	Cap. (approx)
455 x 410 x 610	4	112 L
505 x 415 x 830	6.1	171 L
565 x 565 x 865	10	280 L
650 x 580 x 900	12	336 L



(Horizontal Type)

RST-122 Lab Deep Freezer (-40°C)

Same as RST-121, but Temperature range from ambient to -40° C.

RST-123 Lab Deep Freezer (-70°C)

Same as RST-121 but Temperature range from ambient to -70° C.

RST-124 Lab Deep Freezer (- 86°C)

Same as RST-121, but Temperature range from ambient to -86° C.



(Vertical Type)

RST-126 Blood Bank Refrigerator

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° deg C with forced air circulation ensures uniform temperature, for storing blood bottles or bloods bags. Temperature is controlled **Dual Display Microprocessor PID Digital Temperature Indicator Cum Controller. Audio/Visual Alarms** triggers in the event of temperature fluctuations. Unit is also with **Door open alarm & power supply failure Alarm** as a safety devices. Highly efficient refrigeration unit is housed on the bottom. Two doors are provided. Inner door is transparent made of plexi glass, for viewing inside the chamber. Drawers are provided for holding bags. Workable on 220V AC.



Capacity	No. o Bags
85 L	50 bags
165 L	110 Bags
200 L	180 bags
280 L	250 bags
400 L	360 Bags

RST-127 Lab/ Pharma /Vaccine Storage Refrigerator

This Inner chamber made of stain less steel and outer of PCRC sheet duly power coated. Mounted on sturdy iron frame with castor wheels for easy mobility. The temperature is maintained between 4 to 6 deg C with forced circulation ensures uniform temperature is controlled by **Dual Display Microprocessor PID Digital Temperature Indicator Cum Controller. Audio/Visual Arms** 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 plexi glass, for viewing inside the chamber. Drawers are provided for holding medicines. Workable on 220 V AC.



Chamber sizes in mms	Cap. (cu. Ft.)	Cap. (approx)
455 x 410 x 610	4	112 L
505 x 415 x 830	6.1	171 L
565 x 565 x 865	10	280 L
650 x 580 x 900	12	336 L

Refrigerator with chart type Temperature Recorder

RST-128 Mortuary Chamber

Used for sorting cadaverous under low temperature cool conditions in order to prevent decomposition. The chamber is constructed in double wall. The interior of the chamber is made of stainless steel and exterior is made out o 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 easy 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.



Capacity	Voltage Stabilizer
Single body	3 KVA
Two bodies	4 KVA
Three bodies	5 KVA
Four bodies	8 KVA
Six bodies	8 KVA

RST-129 Mortuary Freezer





Used for sorting cadaverous under low temperature cool conditions in order to prevent organs/body for long time. The chamber is constructed in double wall. The interior of the chamber is made of stainless steel and 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 easy 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 -10° C to -20° 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.

Capacity	Voltage Stabilizer
Single body	3 KVA
Two bodies	4 KVA
Three bodies	5 KVA
Four bodies	8 KVA
Six bodies	8 KVA

RST-130 Cadaverous Injector or Embalming Machine



For injecting formaldehyde solution in cadaverous at much sped normal gravity process. Unit is fully covered mounted on a portable trolley having four caster wheels for easy movement. Unit fitted with one air compressor fitted with ½ Hp Motor which is connected with a stainless steel tank of 10 liters capacity meant for storing & injecting the solution. Tank is fitted with a safety valve, pressure gauge and rubber tubing having provisions for injection. Supplied complete with electric cord, works on 220 V AC.

RST-131 Muffle Furnance (Laboratory Model)



Light with with ceramic fiber wool installation in place of refractory bricks. Working temperature 900° C. Maximum temp. 1000° C. Fitted with by **Dual Display Microprocessor PID digital Temperature Indicator cum Controller,** CI/AL thermocouple. Heating element are made up of Kanthal wire. Workable on 220V AC 50 Hz Single phase. It comes with digital timer 0-99 hrs.

Inner Muffle Size (mm)	Inner muffle size (inch)
225 x 100 x 100	9"x4"x4"
250 x 125 x 125	10"x5"x5"
300 x 150 x 150	12"x6"x6"
300 x 200 x 200	12"x8"x8"
350 x 225 x 225	18"x9"x9"

RST-132 Muffle Furnance (Industrial)



Working Temperature 1150°C. Maximum temp. 1200°C. Fitted with **Dual Display Microprocessor Digital Temperature Indicator cum Controller.** Heating element are made up of Kanthal A1 wire. Workable on 220 V AC 50 Hz Single phase. It comes with digital timer of 0-99 hrs.

Inner Muffle Size (mm)	Inner muffle size (inch)
225 x 100 x 100	9"x4"x4"
250 x 125 x 125	10"x5"x5"
300 x 150 x 150	12"x6"x6"
300 x 200 x 200	12"x8"x8"
300 x 300 x 300	12"x12"x12"

RST-134 Serological Water bath

These unit 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 thermostat with accuracy of + 1°C. Workable on 220 V AC 50Hz Single phase.

Optional:

- Microprocessor PID digital temp. Indicator cum controller.
- Stirrer with 1/20 Hp motor with S.S rod & blade.
- Auto cut off device when water level is low.



Chamber size in mms	Suitable Rack	Capacity
300 x 175 x 175	1 Rack	12 L
300 x 250 x 175	2 Racks	14 L
375 x 300 x 175	4 Racks	18 L
455 x 300 x 175	6 Racks	25 L
605 x 300 x 175	8 Racks	32 L

RST-135 Water Bath (Double Walled)

It is double walled unit 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. 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 220 V AC 50 Hz single phase.



Chamber size in mms	Holes	Capacity
300 x 250 x 100	6 holes of 75 mm	8 L
300 x 405 x 100	12 holes of 75 mm	15 L

Optional:

- Microprocessor PID digital temp. Indicator cum controller.
- Auto cut off device when water level is low.

RST-136 Water Bath (Single Walled)

Same as RST-136 but with Single wall.

RST-137 Water Bath Precision (Constant Temp. Control)

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 220 V Hz Single phase.



Chamber size in mms	Chamber size in Inch
425 x 250 x 225	17"x10"x9"
425 x 375 x 375	18"x15"x15"
650 x 450 x 450	24"x18"x18"

Optional:

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

RST-138 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 deg C. Complete with indicators, wire & plug. To work on 220 V AC.



Chamber size in mms
200 x 75
250 x 125

RST-140 Water Bath Incubator Shaker



Similar to other water baths but fitted with n built 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°.
RPM Range: 40-140 with variable electronic speed regulator.
Workable on 220V AC 50 Hz Single phase.

Chamber size in mms	Capacity
275 x 275 x 150	12 L
400 x 300 x 150	18 L

Optional:

- Microprocessor PID digital temp. Indicator cum controller.
- Digital RPM meter.
- Auto Cut Off Device when water level is low.

RST-141 Constant Temperature Refrigerated Liquid Bath



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 as sturdy angle iron frame. The cooling coils are brazed 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 ± 0.5o C Digital Temp. to work on 220/230 volts 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.

Chamber size in mms	Capacity (L)
500 x 250 x 250	32.5 L

RST-142 Low Temperature Refrigerated Liquid Bath

Specification same as RST-141 But Temperature range is from -10° C. PUFF Insulation in the chamber & can be used as a circuiting water bath in external instruments.
(Picture same as above)

Chamber size in mms	Capacity (L)
500 x 250 x 250	32.5 L

RST-143 Water Still (Manesty Type)



The unit is recommended for making progeny free distilled water of a very high degree of purity. Made out of S.S special kettle element is fitted with ejection device/ auto cut for safety of the element is provided water supply is stopped. The cock fitted to the unit is of brass C.P. A wall mounting clamp is provided with the unit.
Supplied with cord and plug to work on 220/230 volts A.C.

Capacity (L)	Load
2 L per hour	2.0 KW
4 L per hour	3.0 KW
6 L per hour	4.0 KW

RST-144 Water Still Bath (Table Pattern-Barnstead type)

Double walled construction with inner and outer chamber made of S.S the gap in between being filled with glass wool. The condenser and top are also made of S.S the raw water is first made of pass around the tubes in the condenser where is gets heated nearly to the boiling point thus economizing the heating energy. The heated water passes to the evaporator through a water level maintaining pipe. Excess water is let the drain. To work on 220/230 volts AC supply.



Capacity (L)	Load
8 L per hour	5.0 KW
15 L per hour	6.0 KW
25 L per hour	8.0 KW

RST-145 Laboratory Round Hot Plate

Laboratory hot plates are available in round shape. 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 the three point rotary switch or energy regulator lab for mains etc.



Size	Top
8" dia	Round
8" dia x two plates	Round
8" dia	Round Spiral

Optional: Microprocessor Digital Temperature Indicator cum controller

RST-146 Laboratory Rectangular Hot Plate (S.S. Top)

Laboratory hot plates are available in Rectangular shape. 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 the three point rotary switch or energy regulator lab for mains etc.



Size	Size
12" x 10"	18" x 12"
16" x 10"	24" x 18"

Optional: Microprocessor Digital Temperature Indicator cum controller

RST-147 Slide Warming Hot Plate

With temp. control up to 80°C for drying slides at low Temperatures. Fitted with energy regulator. Workable on 220 V AC 50 Hz.

Available in M.S Top/C.I Top/S.S Top.



Size	Size
12" x 10"	18" x 12"
16" x 10"	24" x 16"

RST-148 Heating Mantle

The Body of the mantel is spun in one piece M.S duly power coated. It with stands high temperature up to 250 degree C. All heating mantels are lagged with special grade glass wool. Works on 220/230 V AC.

Capacity	Wattage
50 ml	60
100 ml	60
250 ml	150
500 ml	200
1 liter	300
2 liter	450
3 liter	450
5 liter	600
10 liter	2 x 500

Optional: Microprocessor Digital Temperature Indicator cum controller



RST-149 Soxhelt Extraction Units (Mantel)

The Body is made of M.S duly power coated. The equipments consist of 3 or 6 mantels with separate energy regulators control. Complete with stand, clamp holders etc. Supplies without glass parts. Works on 220 V AC.

Capacity	Wattage
50 ml	60
100 ml	60
250 ml	150

RST-150 V.D.R.L. Rotator (variable speed)



Suitable for VDRL and other agglutinating tests, blood grouping test, for mixing of solution in small flask, beakers or bottles. Platform size 300 x 300 mm. supplied with spring wire holder (2 Nos.) for holding flask. Fixed or variable RPM range 180 RPM with 60 min time . It comes with Digital RPM indicator and digital times (0-99 min)



RST-151 Vortex Shaker (Test Tube Shaker)

- Compact, rugged construction.
- Heavy metal base & rubber feet prevents movement of the shaking during use.
- Choice of continuous & touch made.
- Variable speed control.
- Maximum speed 3000 rpm.
- Include one hand insert, micro tube insert & cup attachment.

Optional

1. Spare cup attachment.
2. Spare one hand attachment.
3. Spare one hand insert.
4. Spare Micro tube insert.



RST-153 Mini Rotary Shaker

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

RST-154 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 with lotus type clamps to hold flask. RPM range up to 250 RPM, electronic variable control, with 0-60 min mechanical timer. Workable on 220 V AC 50 Hz single phase. It comes with digital RPM indicator and Digital timer (0-99 Min).

Platform Size in CM	Holding capacity	Motor Type
45 x 45 cm	36 flasks of 500 ml	PMDC
45 x 45 cm	25 flasks of 100 ml	PMDC
45 x 45 cm	16 flasks of 250 ml	PMDC
55 x 55 cm	25 flasks of 250 ml	PMDC
65 x 65 cm	36 flasks of 250 ml	PMDC
105 x 105 cm	81 flasks of 250 ml	PMDC
105 x 105 cm	64 flasks of 500 ml	PMDC



RST-156 Magnetic Stirrer

These equipments are intended for stirring solutions of low viscosity in open or closed vessels. Stirring is accomplished by a 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 low to the maximum agitation. Stirring is done by PMDC Motor for higher torque at low speeds. Workable on 220 V AC 50 Hz single phase.



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

RST-157 Laboratory Stirrer

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 50 Hz single Phase. It comes with Timer & drill chuck holding stirring rod.



RST-158 COD Digester Apparatus

Body made out of thick mild steel finished with powder coating. Heating blocks made of aluminium die casting. Temperature rage from ambient to 150,200 deg. C. Designed with glass reaction vessels and air condensers. Supplied with stand to accommodated vessels. Temperature is controlled by **Dual Display Microprocessor PID Digital Temperature Indicator cum Controller & 99 Hr Digital Timer.**
Workable on 220 V AC 50 Hz Single Phase.

Capacity
15 samples
20 Samples
25 Samples



RST-160 Rotary Vacuum Evaporator (Buchi Type)

The apparatus is used for vacuum distillation of solvent at high and low temperature. Having non-sparking AC/DC motor reduces risk of fire at variable speed for variety of use (90 RPM to 240 RPM). It permits continuous feed of solvent into evaporating pear shape flask and also distillation under control atmosphere. All glass parts are easily replaceable. It is supplied with 1 **ltr evaporating and receiving flask.** Steam duct a condenser, inlet feed 2 clamps, a dry unit wire cord and plug to work on 220 V AC 50 Hz single phase. Fitted with quick action jack. It Comes with Digital Water Bath, Digital RPM Meter and oil free vacuum pump.

