

ROTEK
LABORATORY INSTRUMENTS
ISO 9001-2000 Certified Company
Rotek products reliable products



***Eminent products,
Delivering promises.***





Eminent products, Delivering promises.

Making a mark for it self. Rotek instruments are specialized in the manufacture and export of superior quality and creatively designed scientific as well as medical products.

With more than a decade experience and patronage from the satisfied clients Rotek constantly improves its product criteria with more than 100 products in all diverse fileds like Medical diagnostic, agricultural , pharmaceutical and industrial, bio-technology institutions etc. both in public and private sectors. The professionally managed company, observing higher business ethics is committed to the quality of its personnel, products and services.

The company believes in long term relationship and mutual growth as objective. Our quality control managers test quality at each stage of pre-product ion, production and supply to the clients only those products that are in accordance with the quality parameters accepted by international market.

We also welcome suggestions to improve and update our products in conformity with the latest technologies and excellent standards. We assure to strive hard to exceed the expectations of our esteemed clients, each time and every time, with strong will and volition.

AUTO CLAVE

The vertical steam sterilizer is used for sterilizing the loaded material under steam pressure of 15 to 18 PSI

Electrically operated, single wall body made of quality stainless steel, Die pressed model. Lid of the unit consists of pressure gauge, safety valve (adjustable spring loaded) and pressure release valve. Pressure can be adjusted at any point between 10 to 18 PSI, lid of the unit is tightened by bakelite insulated nut and bolt, provided a gasket made of silicon rubber. ISI quality immersion type heater is used for heating. Supplied with cord and plug, suitable to work on 220 V AC supply.

Cat. No. RAV-01 Rating 2 K.W. Size 30 cms dia 30 cms height

AUTO CLAVE (VERTICAL)

The vertical steam sterilizer is used for sterilizing the loaded material under steam pressure of 15 to 20 PSI. Double walled construction, inner body made of heavy gauge stainless steel 304 quality sheet, duly argon arc welded. The lid and ring are made of stainless steel plate. The lid is fitted with pressure gauge, safety valve (adjustable spring loaded) and steam exhaust valve, provided safety valve is set to blow of at 15 PSI. A silicon rubber gasket is fitted in the ring to ensure steam tight joint of the lid. Outer body made with choice of S.S. sheet or M.S. sheet powder coated. Foot operated lifting mechanism for lid opening. Electrically operated, ISI quality immersion type heaters are used for heating. The Autoclave is supported with three sturdy legs duly painted, supplied with cord and plug.

Optional Accessories

1. Digital temp: controller cum indicator.
2. Digital timer with indicator.
3. Auto pressure cut off system.
4. Automatic water level cut off system.
5. Water level indicator with glass tube.

Cat. No	Size MM dia x height	Rating	Capacity
RAV-02	250 X 450	1.5 K.W.	23 ltr.
RAV-03	300 X 500	2.0 K.W.	35 ltr.
RAV-04	350 X 550	3.0 K.W.	54 ltr.
RAV-05	400 X 600	3.5 K.W.	78 ltr.
RAV-06	450 X 600	4.0 K.W.	98 ltr.
RAV-07	550 X 750	6.0 K.W.	184 ltr.

AUTO CLAVE -VERTICAL (TRIPLE WALLED) for dry sterilization

The triple walled unit have an additional inner chamber for dry sterilization, steam jacket, water level indicator with inlet valve for water filling, inner body made of heavy gauge stainless steel 304 quality sheet duly argon arc welded. The lid and ring are made of stainless steel plate. The lid is fitted with pressure gauge, safety valve (adjustable spring loaded) and steam exhaust valve, provided safety valve is set to blow of at 15 PSI. A silicon rubber gasket is fitted in the ring to ensure steam tight joint of the lid. Outer body made with choice of S.S. sheet or M.S. sheet powder coated. Foot operated lifting mechanism for lid opening. Electrically operated, ISI quality immersion type heaters are used for heating. The Autoclave is supported with three sturdy legs duly painted, supplied with cord and plug.

AUTO CLAVE (PORTABLE)



AUTO CLAVE (VERTICAL)



Cat. No.	Size in mm dia x height	K.W.	Capacity
RAV-02T	250 x 450	1.5	23 ltr.
RAV-03T	300 x 500	2.0	35 ltr.
RAV-04T	350 x 550	3.0	54 ltr.
RAV-05T	400 x 600	3.5	78 ltr.
RAV-06T	450 x 600	4.0	98 ltr.
RAV-07T	550 x 750	6.0	184 ltr.

Optional Accessories:-

1. Digital temp: controller cum indicator.
2. Digital timer with indicator.
3. Auto pressure cut off system.
4. Automatic water level cut off system.

BOD INCUBATOR (COOLING INCUBATOR)

Most versatile cabinet for Biochemical Oxygen Demand determinations. Caster wheel mounted cabinet is double walled, outer body made of GI sheet, properly powder coated and inside chamber made with choice of Aluminum or Stainless steel sheet. The gap between the inner and outer wall is filled with thermal glass wool insulation. Triple walled back side of the unit is provided with an air circulation fan, the air circulation system consists of a TEFC branded motor with long shaft and ball bearings coupled with dynamically balanced impeller type blower to get powerful air circulation in the chamber and ensures even temp: in the cabinet. Provided full view perspex door inside, which makes it possible to inspect the specimens without disturbing the cabin temperature. Supplied with shelves and adjustable shelf position.

Equipped with C.F.C free compressor and refrigerant.

Temp : Range 5°C to 60°C, controlled by digital display temp: indicator cum controller with built in on delay, Accuracy +/- 0.5°C,

Suitable to work in 220 V AC supply

Cat. No	Capacity	Temp. Range
RCI-3 A	85 ltr	5°C to 60° C (Chamber Aluminum)
RCI-6 A	170 ltr	5°C to 60° C (Chamber Aluminum)
RCI-10 A	280 ltr	5°C to 60° C (Chamber Aluminum)
RCI-12 A	340 ltr	5°C to 60° C (Chamber Aluminum)
RCI-3 S	85 ltr	5°C to 60° C (Chamber Stainless Steel)
RCI-6 S	170 ltr	5°C to 60° C (Chamber Stainless Steel)
RCI-10 S	280 ltr	5°C to 60° C (Chamber Stainless Steel)
RCI-12 S	340 ltr	5°C to 60° C (Chamber Stainless Steel)

1. Outer body made of stainless steel 304 quality sheet with GMP standard also available.
2. Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation.
3. Non use of stabilizer will render the warranty of the equipment invalid.
4. Stabilizer rating:- 1 K.V.A for 85 and 170 Ltr. 2 K.V.A for 280 and 340 Ltr.

INCUBATOR SHAKER (cooling)

These shaking incubators are ideal for shaking under closely controlled temperature both above or below the ambient temperature. Suitable for laboratory procedures such as tissue culture, fermentation studies, growth studies, enzyme reactions, controlled purification and ageing tests.

This is a BOD incubator having 6 cft. capacity. Equipped with orbital shaking mechanism to shake contents in erlenmeyer flask required temperature. Temp: range 10°C to 60°C. Accuracy +/- 0.5°C. Temp: controlled by digital display temp: controller cum indicator with built in ON delay. The speed of shaking is controllable from 50 to 250 RPM and equipped with a digital timer and RPM indicator. Provided full view perspex door inside. The shaking platform is made with thick SS sheet and provided place to fix different size clamps to hold the flasks of different capacity. Equipped with CFC free compressor and refrigerant.

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation. Non use of stabilizer will render the warranty of the equipment invalid. Stabilizer rating:- 2 K.V.A.

BOD INCUBATOR (COOLING INCUBATOR)



INCUBATOR SHAKER (cooling)



INCUBATOR SHAKER (cooling)

Cat. No	Capacity	Platform Size	No of Flask
ROSI-1	170 ltr	45 x 45 cm	16 flasks - 250ml

Optional Accessories:-

- Outer body with stainless steel 304 quality sheet with GMP standard also available.
- Interior illumination with fluorescent tube 2 nos.
- 1 No U.V tube -45cms 15 watts.
- Additional Lotus clamps.
- Automatic digital cyclic timer 0-24 hrs for illumination control.

INCUBATOR SHAKER (heating)

Rotek shaking incubators are ideal where orbital shaking is necessary under closely controlled temperature above ambient temperature. Suitable for laboratory procedures such as tissue culture, fermentation studies, growth studies, enzyme reactions, controlled purification and ageing studies.

This is an incubator having 6 cft. capacity, double walled construction; exterior is made of C.R. sheet and interior of stainless steel sheet. Equipped with orbital shaking mechanism to shake contents in Erlenmayer flasks in required temperature. The temp: range ambient + 5°C to 60°C, Temp: controlled by digital display temp: controller cum indicator. Accuracy +/- 0.5°C. Speed of shaking is 50 to 250 RPM. The speed of the shaking is controllable and equipped with digital timer and RPM indicator. The shaking platform is made with thick S.S. sheet and provided place to fix different size clamps to hold the flasks of different capacity.

Suitable to work on 220 V AC supply

Optional Accessories:

Outer body with stainless steel 304 quality sheet with GMP standard also available

Interior illumination with fluorescent tube 2 nos.

Automatic digital cyclic timer 0-24 hrs for illumination control

U.V. tube 45 cms 15 watts.

Additional Lotus clamps

PLATELET INCUBATOR

These platelet incubators are designed for close control environment for stowed platelets. Double walled construction, outer body made of G.I. sheet, duly powder coated, inner chamber made of stainless steel 304 quality sheet, temp: range 5°C to 60°C. Temp: controlled by digital display temp: indicator cum controller with built in on delay, accuracy +/- 0.5°C, provided with plexiglass door inside.

Suitable to work on 220 V AC supply

Equipped with CFC free compressor and refrigerant

Suitable to place the Platelet Agitator / Platelet Rotator.

Outer body made of stainless steel 304 quality sheet with GMP standard also available.

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation. Non use of stabilizer will render the warranty of the equipment invalid.

Stabilizer rating:- 2 K.V.A.

Cat. No	Capacity
RPI-01	110 lit

PLATELET AGITATOR

Suitable to maintain the donor platelets in an even suspension throughout the blood plasma, constructed with mild steel base plate, duly powder coated and the shaking platform made of S.S perforated sheet. Driven by AC geared motor designed to get 80 (+5%) strokes per minute.

Cat. No	Capacity
R PA-01	32 blood bags

INCUBATOR SHAKER (heating)



Cat. No	Capacity	Platform Size	No of Flask
ROSI-2	170 lit	45 x 45 cm	16 flasks- 250ml

INCUBATOR SHAKER (Table top Model)



PLATELET INCUBATOR



PLATELET ROTATOR

These Rotators are designed to rotate the plasma bags in fixed RPM of 4 to 5, to maintain the platelets in an even suspensions throughout blood plasma, the rotating basket is made with stainless steel wire mesh, coupled with AC geared motor

Cat. No. - R PR-01

Capacity - 32 blood bags

HYBRIDIZATION INCUBATOR

Double walled construction, outer body made of mild steel, duly powder coated. Inner chamber made of 304 quality stainless steel sheet, glass wool insulation, Temp: range ambient +5°C to 60°C, Temp: Controlled by MCD (micro processor controlled digital display) Temp: Controller.

The inbuilt rotator provided S.S. tray with suitable supporters to hold rack or flasks on it. The up and down oscillation can be controlled by an electronic speed regulator, maximum 30 stroke per minute. An air circulation fan is provided in the chamber, one CFL light also provided in the chamber. To create humidity a water bowl can be kept in the centre of the chamber. Front door of the equipment is provided with glass window.

Cat. No. - RHI-01

Internal dimensions - 35 x 40 x 35 cm 400 watts

BLOOD BANK REFRIGERATOR

Blood Bank Refrigerator is a versatile storage cabinet designed to meet various requirements in the storage of blood and such other blood related products. Double walled construction, outer body made with galvanized steel sheet, duly powder coated, inner chamber made with 304 quality stainless steel sheet, PUF insulation is provided to minimize the thermal loss. The outer door is provided with magnetic beading, lock, key and handle, provided with forced air draft system to maintain the inside temperature even and constant, inner drawers with clear plexiglass door. The entire unit is mounted on lockable caster wheels for ease of mobility.

Equipped with CFC free compressor and refrigerant.

The most important factor is to provide uniform, accurate and steady temp: in the cabinet. This blood storage refrigerator is set to give a fixed temperature of 4°C. (Can set between 2°C and 6°C) This unit give an accuracy of ±0.5°C. An audio visual alarm is incorporated in the temp: controller to work in the event of temperature fluctuations of high and low. A power failure alarm also fitted in the system with battery back up. Suitable to work on 220 V. AC supply.

Temperature recorder with various specification can be supplied on extra cost

7 days circular chart recorder ink type

7 days circular chart recorder ink less

RS 232 interface (without printer)

RS 232 interface (with Epson printer)

Blood collection monitor can be supplied on extra cost.

Outer body with stainless steel 304 quality sheet with GMP standard also available

Full view glass front door is also available.

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation. Non use of stabilizer will render the warranty of the equipment invalid. Stabilizer rating:- 1 K.V.A / 2 K.V.A / 3 K.V.A

HYBRIDIZATION INCUBATOR



BLOOD BANK REFRIGERATOR



Cat. No	Storage Capacity	Internal Dimensions LxWxH in cm
RBBR - 40	60 bags	41x40x76
RBBR - 70	144 bags	53x46x98
RBBR - 120	244 bags	60x55x108
RBBR - 144	288 bags	68x64x100

DEEP FREEZER (HORIZONTAL / VERTICAL) -20 °C

Double walled construction, outer body made of G.I. sheet, powder coated, inner chamber made of stainless steel, insulation PUF. The outer door is provided with magnetic beading, lock, key and handle, temp: range - 20°C, fitted with digital temp: controller cum indicator with built in on delay. Equipped with CFC free compressor and refrigerant. The entire unit is mounted on castor wheels and lock. Vertical models are supplied with stainless steel perforated trays.

Outer body with stainless steel 304 quality sheet with GMP standard also available
Non use of stabilizer will render the warranty of the equipment invalid.
Stabilizer rating:- 1 K.V.A / 2 K.V.A / 3 K.V.A

HORIZONTAL

Cat. No	Capacity
RDF-100	100 lit
RDF-175	175 lit
RDF-280	280 lit

VERTICAL

Cat. No	Capacity
RDFV-100	100 lit
RDFV-175	175 lit
RDFV-280	280 lit

DEEP FREEZER (HORIZONTAL/ VERTICAL) -35 °C

Double walled construction, outer body made of G.I. sheet, inner chamber made of stainless steel, insulation PUF. The outer door is provided with magnetic beading, lock, key and handle, temp:-35°C, fitted with digital temp: controller cum indicator with built in on delay. Equipped with CFC free compressor and refrigerant.

The entire unit is mounted on castor wheels and lock.
Vertical models are supplied with stainless steel perforated trays.

Outer body with stainless steel 304 quality sheet with GMP standard also available

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuations.

Non use of stabilizer will render the warranty of the equipment invalid.
Stabilizer rating:- 1 K.V.A / 2 K.V.A / 3 K.V.A

HORIZONTAL

Cat. No	Capacity
RDFL-100	100 lit
RDFL-175	175 lit
RDFL-280	280 lit

VERTICAL

Cat. No	Capacity
RDFLV-100	100 lit
RDFLV-175	175 lit
RDFLV-280	280 lit

DEEP FREEZER (HORIZONTAL/ VERTICAL) -80 °C

Double walled construction, outer body made of G.I. sheet, inner chamber made of stainless steel, insulation PUF. The outer door is provided with magnetic beading, lock, key and handle, temperature -80°C (at ambient temp: of 20°C) fitted with digital temp: controller cum indicator with special features of cascade function and built in on delay. Equipped with CFC free IMPORTED compressor and refrigerant.

The entire unit is mounted on castor wheels and lock.
Vertical models are supplied with stainless steel perforated trays
Outer body with stainless steel 304 quality sheet with GMP standard also available

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuations.

Non use of stabilizer will render the warranty of the equipment invalid.

Stabilizer rating:- 3 K.V.A / 4 K.V.A

DEEP FREEZER (Horizontal Chest Type)



DEEP FREEZER (VERTICAL)



DEEP FREEZER (HORIZONTAL/ VERTICAL) -80 °C



HORIZONTAL

Cat. No	Capacity
RUDF	175 lit
RUDF	280 lit

VERTICAL

Cat. No	Capacity
RUDFV	100 lit
RUDFV	175 lit

HUMIDITY OVEN

Double walled construction, outer body made of G.I. sheet, inner chamber made with 304 quality stainless steel sheet. Temperature range ambient +10°C to 60° C. Accuracy $\pm 2^{\circ}\text{C}$. Temperature and Humidity controlled by digital display temperature controller (dry bulb and wet bulb method). Humidity up to 95% RH, accuracy $\pm 3\%$. Humidity is created by steam generator fitted below the unit, provided with water level cut -off and audio visual alarm.

Supplied with aluminum anodized relative humidity chart.

Optional Accessories.

Digital Temp. and Humidity controller (Humidistat)
Micro processor controlled programmable Temp: and Humidity controller with Rs. 232 interface to take print out in regular intervals.
0 - 24 hrs. Digital cyclic timer can be fitted with an extra cost
Illumination with CFL or Fluorescent tube two numbers
45 cms 15 watts UV tube one
Outer body with stainless steel 304 quality sheet can be fabricated

HUMIDITY CABINET (Environmental test chamber)

This is a versatile unit for conducting quality control tests under controlled conditions of temperature and humidity. Atmospheric - climatic - conditions are created within the chamber to perform different experiments without going on to the field.

Double walled construction, outer body made of G.I. sheet, duly powder coated inner chamber made with 304 quality stainless steel sheet. Temperature range 5°C to 50°C. Accuracy $\pm 0.5^{\circ}\text{C}$. Temperature-Humidity controlled by digital display temperature controller (dry bulb and wet bulb). Humidity range 50 % to 95% RH, accuracy $\pm 3\%$. Humidity is created by steam generator fitted at the bottom of the unit, provided with water level cut -off and audio visual alarm.

Supplied with aluminum anodized relative humidity chart.

Special micro processor based controller of programmable (99 programs and each program with 20 steps) Temp. and Humidity controlled with soak and ramp setting on time based intervals with different steps, and day / night conditions by illumination control. This controller can be incorporated with this unit. This controller have the facility of RS. 232 computer interface to save and take print out of temp. and humidity in regular intervals.

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation. Non use of stabilizer will render the warranty of the equipment invalid. Stabilizer rating:- 3 K.V.A for 110Ltr. and 175Ltr. 4 K.V.A for 280 Ltr. and 340Ltr.

Optional Accessories

Digital temp: and humidity controller (Humidistat)
Micro processor controlled programmable Temp: and Humidity controller with RS. 232 interface to take print out in regular intervals
0-24 hrs. Digital cyclic timer for cyclic illumination control
Illumination Fluorescent tube 2 nos.
45 cm 15 watt UV tube one.
Digital Temp: and Humidity controller can be fitted with the equipment.

HUMIDITY OVEN



HUMIDITY OVEN

Cat. No	Capacity	Chamber Size (Approx.) in cms
REO - 4	110 ltr	45x45x60
REO - 6	175 ltr	50x45x80
REO - 10	280 ltr	60x55x90
REO - 12	340 ltr	60x60x90

Outer body made of stainless steel 304 quality sheet .with GMP standards also available

HUMIDITY CABINET (Environmental test Chamber)



HUMIDITY CABINET (Environmental test Chamber)

Cat No	Capacity	Chamber Size (Approx.) in cms
RHC - 4	110 ltr	45x45x60
RHC - 6	175 ltr	50x45x80
RHC -10	280 ltr	60x55x90
RHC -12	340 ltr	60x60x90

Outer body made of stainless steel 304 quality sheet with GMP standard also available

PLANT GROWTH CHAMBER

This is a versatile unit for conducting quality control tests under controlled conditions of temperature and humidity. Atmospheric – climatic - conditions are created within the chamber to perform different experiments without going on to the field.

Double walled construction, outer body made of G.I. sheet, duly powder coated, inner chamber made with 304 quality stainless steel sheet. Temperature range 10°C to 60°C. Accuracy $\pm 1^\circ\text{C}$. Temperature-humidity controlled by digital display temperature controller. Humidity range 50% to 95% RH, accuracy $\pm 3\%$. Temp and humidity are controlled by digital display temp: controller and Humidistat. This equipment is fitted with a versatile micro processor based controller of programmable (99 programs and each program with 20 steps) Temp. and Humidity controlled with soak and ramp setting on time based intervals with different steps, and day / night conditions by illumination control.. This controller have the facility of RS. 232 computer interface to save and take print out of temp. and humidity in regular intervals. A source cord is provided to connect to the PC / printer, to store / take print out of the temp: and humidity in setted intervals.

Humidity is created by steam generator fitted at the bottom of the unit, provided with water level cut –off and audio visual alarm.

Outer body with stainless steel 304 quality sheet with GMP standard also available

SEED GERMINATOR

This is a versatile unit for conducting various experiments, tests on a variety of seeds under different conditions of temperature and humidity. Atmospheric – climatic - conditions are created within the chamber to perform different experiments without going on to the field.

Double walled construction, outer body made of G.I. sheet, inner chamber made with 304 quality stainless steel sheet. Temperature range 10°C to 50°C. Accuracy $\pm 1^\circ\text{C}$. Humidity range 50% to 95% RH, accuracy $\pm 3\%$. Temperature and humidity controlled by digital display temp: controller and Humidistat. This equipment is fitted with a versatile Micro processor based controller of programmable (99 programs and each program with 20 steps) Temp. and Humidity controlled with soak and ramp setting on time based intervals with different steps, and day / night conditions by illumination control. This controller have the facility of RS. 232 computer interface to take print out of temp. and humidity in regular intervals. A source cord is provided to connect to the PC / printer, to store / take print out of the temp: and humidity in setted intervals.

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation. Non use of stabilizer will render the warranty of the equipment invalid.

Stabilizer rating:- 3 K.V.A. for 175 Lit, 4 K.V.A for 300 Lit.

Humidity is created by steam generator fitted at the bottom of the unit, provided with water level cut –off and audio visual alarm. Splash plate type motorized humidifier system can be incorporated instead of the steam injection. Outer body with stainless steel 304 quality sheet with GMP standard also available

UV light 60 cm 20 watt / 45 cms 15 watt. Seed germinator with customer specifications and size can be supplied on request. please contact us with details and specifications.

PLANT GROWTH CHAMBER



Cat. No	Capacity	No. of rack
RPGC-01	300 ltr	4
RPGC-02	600 ltr	8

Optional Accessories

UV light 60cms 20 watt / 45 cms 15 watts

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation. Non use of stabilizer will render the warranty of the equipment invalid. Stabilizer rating 3 K.V.A for 300 Lit and 4 K.V.A for 600 Lit

SEED GERMINATOR



Cat. No	Capacity	No. of racks
RSG-01	175 ltr	4
RSG - 02	300 ltr	6

ENVIRONMENTAL CONTROLLER (De-HUMIDIFIER)

This is a water condensing type refrigerated unit is suitable for de-humidification of packaging cabin/rooms of food and chemical industry. The room or cabin should be well closed and occupants should be minimum, the achievable humidity approx 40%. To get very low humidity the room should have an independent window air conditioner, the capacity of the air conditioner is to match with the heat load expelled by the de humidifier

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation. Non use of stabilizer will render the warranty of the equipment invalid.

Stabilizer rating:- 1K.V.A / 2 K.V.A

TISSUE CULTURE HOOD

Made with marine quality plywood interior and exterior surfaces are covered with laminated sheet. Table top laminated with melamine or stainless steel sheet. Folding type framed plexi glass door provided in the front. The unit is equipped with built in exhaust system, provided with U.V. germicidal tube and one fluorescent tube.

Cat. No	Work Space
RTH- 01	120 x 60 x 60cm

INOCULATION HOOD

Made of C.R. sheet, properly powder coated or painted on both sides, approx: working space 65 x 60 x 70 cms height at back. The front acrylic door is provided with glove ports. A fluorescent light, one U.V. light, and a powerful miniature exhaust fan fitted at the rear top portion to create negative pressure, provided with separate switches. Suitable to work on 220 V AC

Cat. No	Working space (approx.) L x W x H
RIH- 01	65 x 60 x 70 cms

LAMINAR FLOW CABINET (Horizontal)

Rotek offers a wide range of laminar air flow systems to suit the various applications in laboratories of College, Hospital, Industrial, Research and Scientific institutions. All products are designed and manufactured with latest technology and best quality materials.

A unit to provide clean air, removes dust particles, double filtration of air through, pre filters and HEPA filters. Basically the laminar flow cabinet made of Wood and Plywood. All exterior surfaces are covered with white laminate sheet, or properly painted. Interior portions are finished with chlorinated rubber paint. Table top is covered with melamine sheet or S.S mat finish sheet, sides of the cabinet is paneled with polycarbonate transparent sheet. Equipped with U.V. germicidal light, fluorescent light, provided cock for gas / air, prefilter & HEPA filter, inclined pressure manometer.

Air flow : Horizontal, Cleanliness : Class 100,
Efficiency : 99.9%, Particle retention 0.3 microns and above
HEPA filter quality compliance to FED: STD: 209 and EN 779
Pre filter quality compliance to IS 7613

Cat. No	Working Area in cm L X W X H in cm	Approx. external dimension L X W X H in cm
RL - 22	60 X 60 X 60	65 X 100 X 155
RL - 32	90 X 60 X 60	95 X 100 X 155
RL - 42	120 X 60 X 60	125 X 100 X 155
RL - 62	180 X 60 X 60	187 X 100 X 155

ENVIRONMENTAL CONTROLLER (De-HUMIDIFIER)



ENVIRONMENTAL CONTROLLER (De-HUMIDIFIER)

Cat. No	Work Space Volume	No. of occupants
RDH-01	1000 cft room Volume	5
RDH-02	1500 cft room Volume	7

INOCULATION HOOD

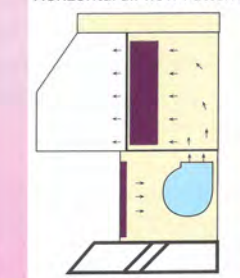


TISSUE CULTURE HOOD



LAMINAR FLOW CABINET (Horizontal)

Horizontal air flow Pattern



HEPA filter, Minipleat type & Poly carbonate (UV static) front door can be fitted

LAMINAR FLOW CABINET (Vertical)

Air flow from top to down stream through the inverted HEPA filter placed on the top of the work space, working table is made with satin finish stainless steel top. The inner cabinet is made with marine plywood and outer covering is made with C.R sheet duly powder coated, front door with transparent acrylic provided with counter weight attachment for sliding operation and keep the door at required level. Sides of the cabinet is paneled with poly carbonate transparent sheet.

Fitted with all standard accessories such as U.V. germicidal light, fluorescent light, provided cock for gas / air, prefilter & HEPA filter, inclined pressure manometer.

Air flow :Vertical

Cleanliness :Class 100

Efficiency :99.9%, Particle retention 0.3 microns and above

HEPA filter quality compliance to FED: STD: 209 and EN 779

Pre filter quality compliance to IS 7613

Cat. No	Working Area in cm L X W X H in cm	Approx. external dimension in cm
RLV- 22	60 X 60 X 60	70 X 76 X 198
RLV- 32	90 X 60 X 60	98 X 76 X 198
RLV- 42	120 X 60 X 60	128 X 76 X 198
RLV- 62	180 X 60 X 60	188 X 76 X 198

BIOSAFE - BIOLOGICAL SAFETY CABINET

These are designed to use simultaneous primary biological and chemical containment. The recirculation of cabinet air through a second HEPA filter offers highest level of cleanliness.

The Bio safety cabinets are made with good quality water proof marine plywood, outer surface are covered with laminated sheet, all the interior joints are sealed with good quality adhesives, and made the cabinet leak proof. All the internal surfaces are painted with synthetic rubber paint, made termite proof and weather resistant.

Air Flow: vertical CLASS I

Cleanliness class 100 with an efficiency 99.9%

Particle retention 0.3 microns and above.

HEPA filter quality compliance to FED: STD: 209 E and EN 779.

Pre filter quality compliance to IS 7613.

This includes standard accessories like inclined static pressure manometer, HEPA filter for cabinet (deep pleat type), pre filter, one UV germicidal light for the work area, one cock for gas/air. Satin finished stainless steel perforated table top. Suitable motor with blower assembly for air supply, suitable motor with blower assembly for exhaust, 2 m length PVC pipe of 6" dia will be supplied for exhaust air vent out.

In compliance to its safety performance requirements and specifications of the BSC is classified in different types. We undertake the fabrication of bio safety cabinets of following classifications -

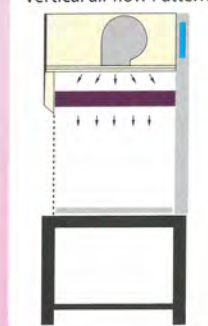
CLASS I Type A, CLASS I Type B

CLASS II Type A, CLASS II Type B1, CLASS II Type B2,

CLASS III

LAMINAR FLOW CABINET (Vertical)

Vertical air flow Pattern



HEPA filter, Minipleat type & Poly carbonate (UV static) front door can be fitted

BIOSAFE - BIOLOGICAL SAFETY CABINET

Biosafe air flow Pattern



Cat. No	Working table size L X W X H in cm	Approx. external dimension in cm
RBSC - 2	60 X 60 X 60	66 X 75 X 230
RBSC - 3	90 X 60 X 60	96 X 75 X 230
RBSC - 4	120 X 60 X 60	126 X 75 X 230
RBSC - 5	150 X 60 X 60	156 X 75 X 230
RBSC - 6	180 X 60 X 60	185 X 75 X 230

HEPA filter, Minipleat type & Poly carbonate (UV static) front door can be fitted

1) CLASS I: - USED FOR PERSONNEL + ENVIRONMENTAL PROTECTION
100 % Exhaust and a negative pressure created in the work chamber, air should not come out directly towards the operator. An air incinerator also recommended for the air outlet to the environment protection.

2) CLASS II . Type A. USED FOR PRODUCT+ PERSONNEL + ENVIRONMENTAL PROTECTION. 2 HEPA filters have been used, one for chamber and other for exhaust. 30 % Exhaust and 70 % Recycle of air occurred a negative pressure created in the work chamber. Air should not come out directly towards the operator. An air incinerator also recommended for the air outlet to the environment protection.

5) CLASS III Biological safety cabinet is designed for work with biosafety level 4 microbiological agents and provided maximum protection to the environment and the operator. It is a gas tight enclosure with a non opening view window. Access for passage of materials into the cabinet is through a double door pass through box. Exhaust air should be pass through a HEPA filter and an air incinerator must be provided for the air outlet to the environment protection. An independent exhaust unit provided exterior to the cabinet which keeps the cabinet a negative pressure. A pair of long heavy duty gloves are provided to insert the hands in to the cabinet.

INFRA RED STERILIZER

Sterilizes inoculating loops, needles and culture tube mouths safely and conveniently, preventing infectious splatter and cross contamination. flameless electric operation safe guards personnel and is ideal for an aerobic chamber provided with on off switch, pilot light and energy regulator. Suitable to work on 220 V AC supply

Cat No. RIRS - 01 200 Watts

FUME EXHAUST HOOD

The fume exhaust hood is designed to use in the laboratory to protect the personnel and equipment by throw out the toxic or chemical vapour from the work area. The hood is fabricated out of good quality water proof marine plywood or C.R sheet, the outer surface are covered with epoxy coated or FRP lining as required. The working table is covered with granite slab or acid proof glazed tiles, provided with stainless steel / FRP moulded / ceramic sink and water tap, provided with a cock for gas or air, additional power point, diffused florescent tube. The exhaust system consists of a dynamically balanced epoxy/ FRP coated impeller coupled with TEFC industrial motor three phase. The front glass shutter is provided with counter weight arrangement for easy vertical sliding.

Cat. No	Working table size in cms	Approx. external dimension in cms
RFH-32	90x60x60	96x75x240
RFH-42	120x60x60	126x75x240
RFH-52	150x60x60	155x75x240
RFH-62	180x60x60	185x75x240

Fabrication of special size and coating requirement can be made on request, please contact us before placing the order.

3) CLASS II .Type B 1. USED FOR PRODUCT+ PERSONNEL + ENVIRONMENTAL PROTECTION. 2 HEPA filters have been used one for chamber and other for exhaust 70 % Exhaust and 30 % Recycle of air occurred a negative pressure created in the work chamber. Air should not come out directly towards the operator. An air incinerator also recommended for the air outlet to the environment protection.

4) CLASSII. Type B 2. USED FOR PRODUCT+ PERSONNEL + ENVIRONMENTAL PROTECTION. 2 HEPA filters have been used one for chamber and other for exhaust 100 % Exhaust and this is a total exhaust unit a negative pressure created in the work chamber. Air should not come out directly towards the operator. An air incinerator also recommended for the air outlet to the environment protection

Optional Accessories

Virus burn out unit with stainless steel chamber, 1200 watts, with digital display temp: controller.

Glove ports and guantlets on request.

Magnahelic pressure gauge

Infra red loop sterilizer

INFRA RED STERILIZER



FUME EXHAUST HOOD



TISSUE CULTURE RACK

Made with M.S. tubular or aluminum pipe, duly powder coated. Having rack size of 120 cms length and 53 cms width, topped with thick plexi (polycarbonate) glass, sides also paneled with poly carbonate sheet. Height between each rack is 38 cms. Each rack is fitted with two fluo: tube and one U.V. germicidal tube, provided with separate switches. Electronic chokes are fitted in a separate box to avoid heat generation to the culture room (by keeping the choke box out side the room). The choke box is provided with cooling fan and castor wheel on request or wall mounting.

Cat. No	No. of Rack	Material of construction
RTCR-01	4	MS Pipe & MS Frame
RTCR-02	4	Aluminum pipe & Alu. Frame
RTCR-03	5	MS Pipe & MS Frame
RTCR-04	5	Aluminum pipe & Alu. Frame

Low cost tissue clture rack made with MS angle powder coated also available

AGITATORS (HEAVY DUTY)

Standard AC- 3 phase motor connected with pulley and belt, provision to drive in two different speed 1440 / 960 RPM. Supplied with rubber lined/FRP lined M.S. stirring shaft. Teflon coated or E coated shaft with mild steel or stainless steel stirring shaft can be supplied as optional. Available in 4 different capacities with agitating capacity up to 5000 liters

Cat No	Capacity in liters	Motor HP
RA-01	1000-1500	1 HP
RA-02	1500-2000	1.5 HP
RA-03	2000-3000	2 HP
RA-04	3000-5000	3 HP

CENTRIFUGES
MEDICO CENTRIFUGE

Rotek offers a modified model of medico centrifuge which is ideal for routine centrifuging tests of medical practitioners, hospitals, colleges, institutions and industrial laboratories etc. Fitted with resiliently mounted motor for vibration free performance. A specially wound 5 step transformer is used for speed regulation. The highly sophisticated elegant body of the equipment is made with fibre re-inforced plastic which gives protection against corrosion and electric shock.

Medico Centrifuge :- Swing out head ,outer body made of aluminium and powder coated model also available .

Maximum speed	4000 RPM
Maximum RCF	1880 x g
Motor	1/20 HP AC/DC universal

Cat No.	Capacity
RMC - 4 F	4x15ml
RMC - 6 F	6x15ml
RMC - 4A	4x15ml
RMC - 6A	6x15ml

TISSUE CULTURE RACK



AGITATORS (HEAVY DUTY)



MEDICO CENTRIFUGE



CLINICAL CENTRIFUGE

Rotek Clinical Centrifuge is specially designed for the centrifuging requirements of medical practitioners and pathological laboratories, hospitals and such other institutions. The fixed angle rotor head is made of aluminium alloy, fitted with resiliently mounted motor for vibration free performance. A specially wound 5 step transformer speed regulator is used for speed control.

MULTI PURPOSE LABORATORY CENTRIFUGE

Rotek multipurpose laboratory centrifuges are characterised by extreme reliability and a long working life, ideal for medical, institutional and industrial laboratories. Special feature includes stepless electronic speed regulator, sturdy body etc.

Cat No.	SPECIFICATIONS
M 8 A	Multipurpose Laboratory Centrifuge with speed regulator(without head)
M 8 B	Multipurpose Laboratory Centrifuge with 30 min spring timer and speed regulator (without head)
M8E	Multipurpose Laboratory Centrifuge with digital timer and digital RPM indicator (without Head)
M8ME	Multipurpose Laboratory Centrifuge with microprocessor based memory and digital timer and digital RPM with LCD indicator(without head)

Different sizes of rotor heads are available to fix on the centrifuge

ROTOR HEAD FOR M 8 A, M 8 B, M 8E, M8ME, (INTERCHANGEABLE)

Swing out heads	Angle Rotor heads
SH-1 8x 15ml	AH-1 8x15ml
SH-2 4x 50ml	AH-2 12x15ml
	AH-3 4x50ml
	AH-4 6x50ml
	AH-5 16x15ml

STIRRERS
LIGHT AND MEDIUM DUTY STIRRER.

Different models of stirrers are available with continues duty AC/DC motor, provided with S.S stirring shaft and propellers, direct driven with built in electronic and separate auto variac speed regulators. Models available with self centering chuck to couple different types of stirring shafts, available with continues duty motors of three different capacity.

Light duty stirrer with 1/20 HP Cont: duty universal motor.
Maximum RPM 6000

Cat No.	Motor HP	Coupling	Speed Regulator	Capacity Ltr.
RSD-D1	1/20	Bush	Mounted electronic Speed Regulator	6 to 8
RSD-D2	1/20	Bush	Separate Speed Regulator (Electronic)	6 to 8
RSD-D3	1/20	Bush	Auto variac (Separate)	6 to 8
RSD-D4	1/20	Self centering chuck	Separate speed Regulator (Electronic)	6 to 8
RSD-D5	1/20	Self centering chuck	Auto variac (Separate)	6 to 8

CLINICAL CENTRIFUGE



CLINICAL CENTRIFUGE

Cat No	Capacity
RCH - 4	4x15ml
RCH - 6	6x15ml
RCH - 8	8x15ml

MULTI PURPOSE LABORATORY CENTRIFUGE



STIRRERS



FLOCCULATOR – JAR TEST APPARATUS (MULTI SPINDLE STIRRER)

An ideal apparatus for conducting scientific experiments in coagulation and flocculation of water and waste water treatment plants. Water obtained from natural resources are dissolved with fine colloidal substances, this impart turbidity to water. The success of water treatment depends on the effectiveness of coagulation and flocculation. This flocculator is designed to use in the water treatment plant to estimate the dosing of alum and such other coagulants. Continuous duty DC motor connected with gear chain arrangement to achieve uniform speed in all the spindles, S. S stirring shaft are fixed by a collect chuck arrangement for adjustable height, illuminated with fluorescent diffused light from the bottom to see effective floc formation in the jar. Stirrer speed can be controllable from 40 to 250 RPM. Two models available . Supplied without glass beaker

Cat No:	No.of Spindles	Jar Capacity
RF - 04	4	1 ltr
RF – 06	6	1 ltr

Optional Accessories

Digital display RPM indicator and timer can be fitted with the above instrument .

VORTEX MIXER(CYCLO MIXER)

This vortex mixer is vigorous agitating equipment used for thorough mixing of precipitates in test tubes, small bottles or flasks. The motor driven neoprene cup mounted eccentrically on the shaft vibrates rapidly. The mixing action is controlled by varying the angle and pressure applied . Provided switch to select direct working or on touch working. A speed regulator switch also provided to control the speed. Suitable to work on 220 VAC.

Cat No:	Motor
RVM-01	15 Watts

VDRL ROTATOR

Used for VDRL tests , blood grouping tests, various agglutination tests and mixing of solutions in small bottles, flasks or bottles. The size of platform is 300x300 mm. It can accommodate blood bottles, slides. The speed of orbital shaking is pre-determined to get 100/ 180 RPM , fitted with 15 minutes spring timer

Two models are available with pre-determined speed of 100 and 180 RPM.

Cat No	Specification	
RVD-R01	180RPM	With 15 minute Timer
RVD-R02	100RPM	With 15 minute Timer

FLOCCULATOR – JAR TEST APPARATUS (MULTI SPINDLE STIRRER)



VORTEX MIXER(CYCLO MIXER)



VDRL ROTATOR



ROTARY SHAKER

The orbital shaker is used for tissue culture work, aeration of fermentation and other chemical procedure. This equipment is specially designed for shaking of solutions in Erlenmeyer flasks from 100 ml to 500 ml. Different models available for specific application in labs of research institutions, chemical and agricultural studies. The platform is fitted on a ball bearing mounted crank shaft arrangement to drive the platform in an orbital shaking motion. Models available with fixed RPM (180) coupled with continuous duty AC motor and 30 minutes timer. Models available with controllable speed up to 250 RPM coupled with continuous duty PMDC Motor, and speed controlled by stepless electronic speed regulator. Heavy duty models available with mechanical speed regulator, coupled with V belt and AC TEFC continuous duty motor, suitable for long duration tests.

Cat No.	Platform Capacity	Platform Size in cm
RRS-01	9 flasks of 250 ml	37x37
RRS-02	12 flasks of 250 ml	45x37
RRS-03	16 flasks of 250 ml	45x45
RRS-04	36 flasks of 250 ml	61x61

ROTARY SHAKER WITH CONTROLLABLE SPEED UPTO 250 RPM

This orbital shaker fitted with PMDC motor and 30 minutes timer. Speed of shaking can be adjusted from 50 to 250 suitable to work on 220 VAC.

Optional Accessories
Digital display RPM indicator and timer can be fitted with the above instrument.

KHAN SHAKER (Reciprocating Type)

Reciprocating action, forward and backward movement, available in two models, pre determined speed shaker with AC TEFC motor (150 strokes per minute) and controllable speed shaker with PMDC Motor. Tray with Lotus clamp or neoprene disc supporters to accommodate Erylmeyer flasks and tray with adjustable roller supporters can accommodate khan racks, bottle of different sizes, displacement approx 40mm. Various sizes are available.

Cat No.	Platform Capacity	Platform Size In cm
RKS-01	9 flasks of 250 ml	38x38
RKS-02	12 flasks of 250 ml	38x50
RKS-03	16 flasks of 250 ml	50x50

While placing the order specify the platform requirement.

KHAN SHAKER CONTROLLABLE SPEED

Cat No.	Platform Capacity	Platform Size In cm
RKS-04	9 flasks of 250 ml	38x38
RKS-05	12 flasks of 250 ml	38x50
RKS-06	16 flasks of 250 ml	50x50

While placing the order specify the platform requirement.

ROTARY SHAKER



ROTARY SHAKER WITH CONTROLLABLE SPEED

Cat No.	Platform Capacity	Platform Size In cm
RRS-05	9 flasks of 250 ml	37x37
RRS-06	12 flasks of 250 ml	45x37
RRS-07	16 flasks of 250 ml	45x45
RRS-08	36 flasks of 250 ml	61x61

KHAN SHAKER



GRIFFIN FLASK SHAKER (Wrist action)

It is an ideal equipment used to shake flasks in wrist action motion. Made of heavy duty MS plate body, suitable for continuous shaking. Shake driven by F.H.P motor, the oscillation is controlled by stepless speed regulator. Side shafts provided with suitable clamps to hold the flask.

Cat No.	No. of Flasks
RGS-01	Suitable to shake 4 flasks-up to 500ml
RGS-02	Suitable to shake 6 flasks-up to 500ml
RGS-03	Suitable to shake 8 flasks-up to 500ml

TILTING SHAKER

The oscillating type (Rocker type) platform is made with stainless steel, been oscillated up and down with approximate 30 mm, displacement at the end. controllable speed up to 100 strokes minute.

Cat No.	Platform size
RTS-1	20 x 27 cm

HOT PLATE (ROUND)

Aluminum / Cast iron hot plate, available with different dia and different rating mounted on powder coated mild steel sheet fabricated body, available with energy regulator and without energy regulator. Maximum surface temp: 400°C

Cat. No.	Hot plate dia in cms	Rating
RHP-1	20	1.5 KW
RHP-2	25	1.5 KW

Optional:- Thermostat 50 °c to 300 °c (imported) can be provided

RECTANGULAR HOT PLATE

Mild steel powder coated body, hot plate top is fabricated with thick gauge stain less steel sheet. Temperature is controlled by an energy regulator. Available in different sizes and different rating. Maximum surface temp: 400 °C

Cat No.	Size of Hot Plate	Ratings
RHPR-1	25X30 cms	1.2 KW
RHPR-2	25X40 cms	1.6 KW
RHPR-3	30X45 cms	2.0 KW

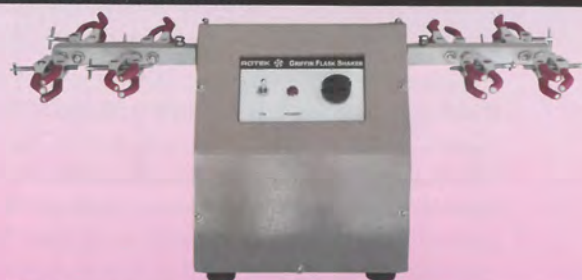
Optional:- Thermostat 50 °c to 300 °c (imported) can be provided

HEATING MANTLES

Suitable for laboratories of chemicals, pharmaceuticals, dyes, glass plants and distillation units etc., particularly useful for heating inflammable liquids. Mantle is made from fibre glass yarn, good quality nichrome / kanthal wire element. The fiber glass yarn can withstand temp: up to 350 °C, mounted in a powder coated Aluminum / mild steel body with glass wool insulation. Temperature is controlled by energy regulator. Suitable to work on 220 V AC supply.

Cat No.	Capacity of flasks	Watts
RHM-1	250ml	120
RHM-2	500ml	200
RHM-3	1ltr	300
RHM-4	2ltr	500
RHM-5	5ltr	800
RHM-6	10ltr	1000
RHM-7	20ltr	1500
RHM-8	50ltr	3600

GRIFFIN FLASK SHAKER



TILTING SHAKER



HOT PLATE (ROUND)



HOT PLATE (RECTANGULAR)



HEATING MANTLE



SOXHLET EXTRACTION MANTLE

Ideal apparatus for the soxhelt and other types of extraction purpose in laboratory. Heating mantles arranged in a row. Housing is made with M. S. Sheet, duly powder coated, supplied with stand and adjustable rod. Supplied without any glass parts and clamps. Suitable to work on 220 V AC supply

Cat No.	Capacity	No. of flasks
RHMS-3S	250ml	3
RHMS-4S	250ml	4
RHMS-6S	250ml	6
RHMS-3M	500ml	3
RHMS-4M	500ml	4
RHMS-6M	500ml	6
RHMS-3L	1000ml	3
RHMS-4L	1000ml	4
RHMS-6L	1000ml	6

DRY BLOCK DIGESTOR

This dry block digester is suitable for digestion, boiling, and various industrial applications, heating block is made with cast aluminum alloy, suitable to work up to 400°C. Block Provided with 24 nos holes with 28mm dia and 120 mm depth suitable to insert 25mm dia 200 mm long digestion tube. Heaters are placed in the base of the block. Block mounted on heavy M.S. sheet frame, properly painted. Model available with thermostat up to 300°C and digital temp controller model for 400° C

Cat No.	Temp Range
RDBD-01	50 °C to 300°C (Hydraulic thermostat)
RDBD-02	50 °C to 400°C (Digital display temperature indicator cum controller)

LAB JACK

Screw type with worm gear, housing is made of aluminum cast alloy, displacement maximum 85 mm, to carry up to 25 kgs.

Cat. No RLJ-01

U V INSPECTION CABINET

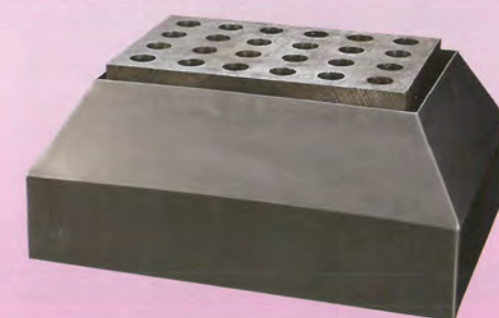
Cabinet made of mild sheet, duly powder coated, provided with inspection hole, useful for viewing TLC plate under UV light of different wave lengths, equipped with one fluorescent tube for inspection, provided with individual switch for each tubes

Cat No.	Description
RUVIC-01	Cabinet with one UV light long wave and one flou: lamp
RUVIC-02	Cabinet with dual UV light short wave 254nm and long wave 365 nm and one flou: lamp

SOXHLET EXTRACTION MANTLE



DRY BLOCK DIGESTOR



LAB JACK



U V INSPECTION CABINET



ELECTRIC BUNSEN BURNER

Electrically operated S.S. housing, ceramic crucible for rapid heating, insulated high quality ceramic wool. Maximum Temp: up to 600°C
Models available with or without Energy Regulator.

Cat. No.	Specifications
RB-01	Without Energy Regulator
RB-02	With Energy Regulator

X-RAY FILM DRIER

The body of the unit is made with mild steel duly powder coated. This is an equipment for easy and fast drying of X-ray film especially in the monsoon season, equipped with thermostatically controlled heaters and fan for forced air circulation, provided with 16/24 hanger slots.

Cat.No	Specifications	No. of Hanger slot.
RXD-1	Single Walled	16 nos.
RXD-2	Double walled	16 nos.
RXD-3	Single walled	24 nos.
RXD-4	Double walled	24 nos.

HOT AIR OVEN (BOTTOM HEATED)

Rotek ovens are designed to meet various application in research, medical, industrial, agricultural and educational institution for drying, sterilizing, baking etc designed to work up to 180 °C
Outer body of M.S. sheet, powder coated, inner chamber choice of Aluminum / stainless steel. Insulation: Glass wool 65mm. thick, provided to reduce the heat loss to the economical minimum, provided with adjustable and removable SS /aluminum shelves. High quality imported heating elements and thermostat ensures long life and accuracy respectively.
Temp: controlled by: Imported Hydraulic Thermostat/Digital Electronic Temp: controller. Models available with air circulation fan. An AC TEFC long shaft motor is coupled with centrifugal impeller type fan at the back side and provided extra space for air circulation
Temp: range ambient +5° to 200°C, Accuracy: ±1°C at higher Temp, Supplied with out thermometer, Various models are available ,details are given below, "Custom made ovens also supplied on request"

HOT AIR OVEN WITH THERMOSTAT (EGO German make)

Cat No.	Internal Dimensions L W H in cm	No. of Shelves	Approx.Ltr Capacity	watts
RHO-12	30X30X30	2	28	1000
RHO-14	35X35X35	2	45	1000
RHO-18	45X45X45	2	95	1200
RHO-18H	45X45X60	3	125	1200
RHO-24	60X60X60	3	225	1500
RHO-24SH	60X45X91	3	250	1800
RHO-24H	60X60X91	3	325	1800

Hot air oven with air circulation fan (Bottom heated) AC-TEFC motor coupled with centrifugal-stainless steel impeller and a chamber provided for air circulation.

Hot air oven with digital temp: controller cum indicator (Bottom heated).

Deluxe model Hot Air Oven (Bottom heated) with digital temperature controller & Air circulation fan.

High temperature oven can be supplied on request.
SS outer body with GMP standard model also supplied.

ELECTRIC BUNSEN BURNER



X-RAY FILM DRIER



HOT AIR OVEN (BOTTOM HEATED)



DELUXE MODEL HOT AIR OVEN



MEMMERT TYPE HOT AIR OVEN (With 3 side heating element)
Hot Air Oven with thermostat (EGO German make)

Cat No.	Internal Dimensions L W H in cm	No. of Shelves	Approx.Ltr Capacity	Watts
RHOM-12	30X30X30	2	28	1000
RHOM-14	35X35X35	2	45	1000
RHOM-18	45X45X45	2	95	1200
RHOM-18H	45X45X60	3	125	1200
RHOM-24	60X60X60	3	225	1500
RHOM-24SH	60X45X91	3	250	1800
RHOM-24H	60X60X91	3	325	1800

Memmert type Hot air oven with air circulation fan (AC TEFC motor coupled With centrifugal - stainless steel impeller and a chamber provided for air circulation).

Memmert type Hot air oven digital temp: Controller cum Indicator

Deluxe model memmert type Hot air oven (With 3 side heating element) With digital display temperature controller and air circulation fan.

High temperature oven can be supplied on request.
Outer body made of S.S with GMP standard also available

VACUUM OVEN (ROUND ELECTRIC)

Double walled construction, outer body made with M. S. sheet duly powder coated/painted. Inner chamber made of stainless steel 304 grade sheet of thick guage to withstand vacuum, provided with ceramic wool and glass wool insulation to avoid thermal loss, temperature range 50°C. to 150°C. Temperature controlled by imported hydraulic thermostat accuracy +/- 2 °C digital temp: controller fitted model also available. Provided with valve and vacuum gauge, see through door with toughened glass. Suitable to work on 220 V AC. supplied without vacuum pump. Maximum vacuum 760 mm of mercury.

Optional Accessories

PID temperature controller can be fitted with above equipment for better accuracy.
Micro-processor based programmable digital display temp. controller with temp. increment related to time with step for soak and ramp can be supplied.
Digital display vacuum indicator with vacuum transducer can be fitted with the unit.

Cat No.	Chamber Size	Watts
RVO-9	22.5 cms dia x 30cm depth	600
RVO-12	30 cms dia x 38 cm depth	800
RVO-15	38 cms dia x 45cm depth	1000
RVO-18	45 cms dia x 60cmdepth	1200

MEMMERT TYPE HOT AIR OVEN



VACUUM OVEN (ROUND ELECTRIC)



INCUBATOR (BOTTOM HEATED)

The perfect choice for reliable day to day operation in various uses such as drying and staining of slides, paraffin embedding, tissue culture work, incubation of anti-body tests and microbiological determination etc.

Outer body made of M.S sheet, powder coated and Inner chamber choice of aluminium or stainless steel. Temp: Controlled by: Imported Hydraulic Thermostat / Digital display proportionate temp: controller, insulation: Glass wool 63 mm reduces the heat loss.

Temp: range ambient + 5°C to 110°C. Accuracy: $\pm 1^\circ\text{C}$. Provided with inner plexi glass door. Supplied without thermometer.

Various models are available, details and specifications are given below.

"Outer body with stainless steel 304 quality sheet can be fabricated"

Incubator with thermostat (EGO German make)

Cat No.	Internal Dimensions L W H in cm	No. of Shelves	Approx.Ltr Capacity	Watts
RI-12	30X30X30	2	28	300
RI-14	35X35X35	2	45	300
RI-18	45X45X45	2	95	300
RI-18H	45X45X60	3	125	300
RI-24	60X60X60	3	225	400
RI-24SH	60X45X91	3	250	400
RI-24H	60X60X91	3	325	400

Incubator with air circulation fan (bottom heated) AC TEFC motor coupled with centrifugal-stainless steel impeller and a chamber provided for air circulation.

Incubator (bottom heated) with digital display temperature controller cum indicator (Proportionate type)

Deluxe model incubator (bottom heated) with digital display temperature controller cum indicator (proportionate type) and air circulation fan

INCUBATOR-MEMMERT Type (With 3 side heating element) with thermostat (EGO German make)

Cat No.	Internal Dimensions L W H in cm	No. of Shelves	Approx.Ltr Capacity	Watts
RIM-12	30X30X30	2	28	300
RIM-14	35X35X35	2	45	300
RIM-18	45X45X45	2	95	300
RIM-18H	45X45X60	3	125	300
RIM-24	60X60X60	3	225	400
RIM-24SH	60X45X91	3	250	400
RIM-24H	60X60X91	3	325	400

Incubator – memmert type with air circulation fan (AC.TEFC motor, coupled with centrifugal-stainless steel impeller and a chamber provided for air circulation.

Incubator – memmert type with digital temperature controller cum indicator (Proportionate type).

Deluxe model memmert type incubator with digital temp: Controller cum indicator (Proportionate type) and air circulation fan.

INCUBATOR (BOTTOM HEATED)



INCUBATOR-MEMMERT



SEROLOGICAL WATER BATH- THERMOSTATIC

Ideal for routine clinical procedure, incubation, inactivation, agglutination as well as most serological, pharmaceutical and biomedical procedure.

Double walled construction outer body made of M.S sheet, powder coated, inner body made of 304 quality S.S sheet. Glass wool insulation, fitted with 30°C to 110°C Imported Thermostat. Accuracy: $\pm 1^\circ\text{C}$. Provided with (ISI quality) immersion type heating element, covered with perforated removable diffuser tray, Two types of lids are available. Suitable to work on 220 V A C Supply.

Cat No.	Bath Size L W H in cm	Watts	Capacity
RSW-01	25x17.5x15	750	7 ltr.
RSW-02	35x25x12.5	1000	11 ltr.
RSW-03	30x25x17.5	1500	14 ltr.
RSW-04	33x30x17.5 (Suitable for 4 racks)	2000	18 ltr.
RSW-05	45.5x30x17.5 (Suitable for 6 racks)	2000	25 ltr.
RSW-06	60.5x30x17.5 (Suitable for 8 racks)	2000	33 ltr.
RSW-07	45.5x35x 27.5	3000	45 ltr.

Supplied without thermometer and rack

Digital display temp: controller (proportionate) can be fitted

1/20 H.P. motor stirrer with electronic speed regulator can be fitted.

Outer body with stainless steel 304 quality sheet also available

WATER BATH RECTANGULAR – THERMOSTATIC – (RING TYPE)

Ideal to evaporate the liquid like alcohol or for melting solids such as .to accommodate containers of various size removable type concentric rings are provided on hole dia of 75 mm.

Double walled construction, outer made of M.S. powder coated. Inner body made of S.S. 304 quality sheet, glass wool insulation, fitted with 30°C to 110°C imported Thermostat.. Suitable to work on 220 VAC supply.

Cat No.	Bath Size L W H in cm	Watts	No. of holes
RRW-6	35x25x12.5	1500	6
RRW-9	35x35x12.5	1500	9
RRW-12	35.5x40.5x10	2000	12
RRW-24	60x40.5x10	2000	24

Digital display temp: controller (proportionate) can be fitted

Outer body with stainless steel 304 quality sheet also available.

SEROLOGICAL WATER BATH- THERMOSTATIC



WATER BATH RECTANGULAR THERMOSTATIC – (RING TYPE)



WAX BATH



PRECISION WATER BATH (CONSTANT TEMPERATURE WATER BATH) Digital temp: controller and stirrer

This high precision water bath also called constant temp: water bath gives temperature accuracy of $\pm 0.2^{\circ}\text{C}$. Double walled construction outer body made of CR sheet, duly powder coated, inner chamber made of 304 quality stainless steel sheet, insulated with good quality glass wool to reduce thermal loss, Temp: controlled by a digital display temp controller cum indicator (proportionate). To get the uniform temp in the water bath an AC single speed stirrer is fitted and a toughened glass window is provided in the front.

Cat No.	Internal Dimension in cm	Watts
RPW-01	35x30x17.5	1000
RPW-02	40x30x20	1000
RPW-03	45x30x25	1500

VISCOSITY WATER BATH

Double walled construction outer body made of CR sheet, duly powder coated, inner chamber made of 304 quality stainless steel sheet, insulated with good quality glass wool to reduce thermal loss, temp: controlled by digital display temp controller cum indicator (proportionate). To get the uniform temp in the water bath an AC single speed stirrer is fitted for forced circulation and assure highest uniformity of temp: in the bath, and toughened glass window is provided in the front and back.

Cat No.	Internal Dimension in cm	Watts
RVW-01	35x30x17.5	2000

PLASMA THAWING BATH

Two models are available; the Cryoprecipitate thawing is with cooling arrangement to work from 4°C and heating arrangement up to 37°C . Designed to set at any temp: between 4°C and 37°C . Other model is to work at 37°C , thermo thawing for uniform thawing of frozen plasma before transfusion.

Double walled construction, other body made of galvanized sheet, duly powder coated, insulated with PUF, inner chamber made of 304 S.S sheet, inner vessel with rounded corners for better water circulation and maintain precise temp: uniformity in the bath. Water circulation obtained by a forceful pump. Temp: controlled MCD (Microprocessor controlled digital display) temp: controller with audio visual alarm for low and high temp: fluctuation. Accuracy $\pm 0.5^{\circ}\text{C}$. Removable S.S tray with acrylic sheet separators to accommodate 12 plasma bags. Suitable to work on 220 VAC supply.

Cat No.	Capacity	Specification	Inner Dimensions in cm	Temp:Range
RPTB-01	40 ltr	Cryo thawing	45x30x25	4°C to 37°C
RPTB-02	40 ltr	Thermo thawing	45x30x25	37°C

Refrigeration is obtained by hermetically sealed compressor with CFC free refrigerant.

PRECISION WATER BATH (DIGITAL TEMP: CONTROLLER AND STIRRER)



VISCOSITY WATER BATH



PLASMA THAWING BATH



CRYOSTAT BATH (REFRIGERATED WATER BATH)

Double walled construction outer body made of galvanized steel, duly powder coated and inner chamber made with 304 quality S.S sheet. PUF insulated. temp: range 0°C to 50°C temp:

Controlled by MCD (microprocessor controlled digital display) temp: controller, with inbuilt time delay for compressor ON. Without heating provision can be supplied on request. Fitted with AC TEFC motor stirrer for circulation. A drain valve is provided in the bottom. Refrigeration is obtained by hermetically sealed compressor with CFC free refrigerant.

Cat No.	Inner dimensions of Working space in cm	Capacity	Rating
RUCB-01	20x20x25	10 ltr	0.75 Kw
RUCB-02	25x25x25	15 ltr	1 Kw
RUCB-03	30x30x25	25 ltr	1.5 Kw
RUCB-04	40x45x40	75 ltr	2 K.w

Ultra Cryostat Bath with different size, range and specifications can be supplied on request.

Outer body with stainless steel 304 quality sheet can be fabricated on request.

All the Refrigeration equipment should connect through a suitable and quality stabilizer, unless other wise the warranty will be invalid.

WATER BATH SHAKER (Metabolic Shaking Incubator)

Rotek offer a desk top model metabolic shaking incubator, suitable for studies on tissue metabolism, enzyme and protein coagulation or other similar experiments in quality control labs and R&D labs, required shaking of samples at controlled speed and temperature environment.

Double walled construction, outer body made of M.S. sheet, duly powder coated, inner chamber made of S.S. 304 quality sheet, glass wool insulation, provided with toughened glass window in the front. Fitted with 30°C to 110°C imported Hydraulic Thermostat/ Digital temperature controller (proportionate) Supplied with S.S tray with lotus clamps. Shaking mechanism driven by PMDC motor having variable speed control up to 180 strokes per minutes. Suitable to work on 220 VAC supply.

Cat No.	Size of Bath in cm	Flask Capacity
RWBS-1	28x30x17.5	9 flasks of 100ml
RWBS-2	35x30x17.5	12 flasks of 100ml

Additional S.S. tray for the above with lotus clamps.

6 flasks of 250 ml

8 flasks of 250 ml

Outer body with stainless steel 304 quality sheet can be fabricated on request.

CRYOSTAT BATH W (REFRIGERATED WATER BATH)



WATER BATH SHAKER (Metabolic Shaking Incubator)



SINGLE WALL WATER BATHS.

Stainless steel single walled rectangular construction, ideal for evaporating the liquid like alcohol or for melting solids such as agar, provided with concentric rings on hole dia of 75 mm. I.S.I quality immersion type heater of kettle type provided with connector and plug, without thermostat, suitable to work on 220 VAC. Available in three different sizes.

Cat No	Size of Bath in cm	Watts	No. holes
RWB-01	30x25x10	1500	6
RWB-02	30x30x10	1500	9
RWB-03	40x30x10	2000	12

CYLINDRICAL WATER BATH (SINGLE WALLED) WITH CONCENTRIC RINGS.

Stainless steel, single walled cylindrical construction, ideal to evaporate the liquid like alcohol or for melting solids such as agar, provided with concentric rings on hole dia of 75 mm. I.S.I quality immersion type heater of kettle type provided with connector and plug, without thermostat, suitable to work on 220 VAC. Available in three different sizes.

Cat. No	Internal Dimension.Dia.	Flask Capacity	Watts
RCW-01	20 cm	2 ltr	1500
RCW-02	25 cm	5 ltr	1500
RCW-03	30 cm	10 ltr	2000

Energy Regulator can be fitted.

CYLINDRICAL WATER BATH (THERMOSTATIC) for R.B Flasks

Double walled construction, inner chamber stainless steel, outer body made of C R sheet duly powder coated, glass wool insulation to minimize the heat loss, temp: controlled by imported thermostat/ digital temp: controller I.S.I. quality immersion type heater, suitable to work on 220 VAC. Available in following sizes,

Cat. No	Internal Dimension .(Dia.)	Flask Capacity	Watts
RCWD-01	20 cm	2 ltr	1500
RCWD-02	25 cm	5 ltr	1500
RCWD-03	30 cm	10 ltr	2000

OIL BATH ROUND

Double walled construction, inner made of thick gauge stainless steel, outer body made of C.R sheet properly powder coated, glass wool insulation, temp: controlled by thermostat / digital temp: controller, temp: range up to 250°C. S.S sheathed ISI quality elements are used for heating, suitable to work on 220 VAC. Available in following sizes.

Cat. No	Internal Dimension (dia)	Flask Capacity	Watts
ROBC-01	20	2 ltr	1500
ROBC-02	25	5 ltr	1500
ROBC-03	30	10 ltr	2000

Digital temp: controller fitted model also available

SINGLE WALL WATER BATHS.



CYLINDRICAL WATER BATH (THERMSTATIC)



OIL BATH ROUND



OIL BATH RECTANGULAR

Double walled construction, inner made of thick gauge stainless steel, outer body made of C.R sheet properly powder coated, glass wool insulation, temp: controlled by thermostat / digital temp: controller, temp: range up to 250°C. S.S sheathed ISI quality elements are used for heating, suitable to work on 220 V AC. Available in following sizes.

Cat. No	Inner Dimensions in cm	Capacity	Watts
ROBR-01	20x20x17	2 ltr	1500
ROBR-02	25x25x17	5 ltr	1500
ROBR-03	30x30x17	10 ltr	2000

Digital temp: controller fitted model also available.

Geared AC TEFC motor with stainless steel stirring shaft can be supplied

TISSUE FLOATATION BATH

This unit is very useful to prepare wrinkle free tissue specimens. Double walled construction and glass wool insulation. The inner vessel is made of good quality aluminum single piece without any joint, properly powder coated with black colour, outer body also made of aluminum finished with grey colour powder coating, temp: range up to 90°C, fitted with Hydraulic Thermostat (Imported). Suitable to work on 220 V AC supply.

Cat No.	Dia x Depth	Description
RTB-02	200x90mm	Thermostatic

PARAFFIN EMBEDDING BATH

Double walled construction, outer body made of C.R sheet properly powder coated and inner chamber made of S.S.304 quality sheet. Glass wool insulation to reduce heat loss, temperature controlled by Thermostat, 6 pots to accommodate 65 mm dia stainless steel / chromium plated copper cups with handle and provided 2 holes of 30 mm dia to insert tubes. Suitable to work on 220 V AC supply.

Cat No.	Description	Dimensions
RPEB-01	Stainless Steel pots	375x300x150mm
RPEB-02	Copper pots	375x300x150mm

PARAFFINIC BATH

Fully made of stainless steel, outer body made of satin finished S.S sheet, inner body made of 304 quality S.S sheet. Suitable to heat up paraffin wax for heat therapy. Volume of the bath is 20 Ltr. Heating elements are securely embedded on the outer surface of the bath vessel. Temp: controlled by digital display, temp: controller with indicator, provided with lid and drain cock for the bath.

Combined unit of paraffin and water bath also available, used for warming of warm carriers, heater packs etc. Water bath volume 20 Ltr. and paraffin bath volume 20 Ltr. Provided with individual digital temp: controller cum indicator and drain cock for the baths. The unit is fitted on a trolley with castors with breaks.

Cat No.	Internal Dimensions	Capacity	Watts
RPB -01	30 x 30 x 25 cms	20 lit	1200
RPB -02	30 x 30 x 25 cms x2	20 + 20 lit	2400

OIL BATH RECTANGULAR



TISSUE FLOATATION BATH



PARAFFIN EMBEDDING BATH



PARAFFINIC BATH



SLIDE WARMING TABLE (THERMOSTATIC)

Thermostatic controlled slide warming table to maintain the temperature below the melting point of wax. Double walled construction, table top model, top plate made of choice of aluminium / stainless steel / copper sheet, mounted on a insulated outer body, fitted with imported thermostat, suitable to work on 220 V AC supply.

Cat No.	Dimensions	Rating
RSWT-01	45x30x15 cm	500 watts
RSWT-02	60x45x15 cm	1000 watts

INSPIRATOR

This is an ideal equipment for preparing the media, inner chamber made of copper sheet of high thermal conductivity. The double walled water jacket is made of copper sheet, housed in a wooden box, insulated with glass wool, the inner surface and tube holders are black epoxy coated for even radiation and distribution of temp: in the chamber. Provided an acrylic framed top and woolen blanket between the chamber and the wooden top. Provision for water inlet and outlet, the outlet is the over flow tube. Both the inlet and over flow nipple are kept at same level so either one can be used as inlet or outlet, a drain valve is provided at the bottom. The heater is provided at the out side bottom of the jacket, temperature is controlled by imported thermostat. Suitable to work on 220 V AC supply. The chamber can accommodate 100 tube of media at time.

Cat No.	Heater
RIN-1	500 watts

TABLET FRIABILITY TEST APPARATUS

This equipment is designed to determine the durability of tablets, fitted with 30 minutes timer. The revolving transparent acrylic drum having 30cms dia, provided with curved blade to carry the tablet to the top and let it down from the height. The rotation of the drum is predetermined to get 30 RPM.. Equipped with geared motor, suitable to work on 220 V AC supply.

Cat No.	Description
RFT-01	Unit with one drum
RFT-02	Unit with two drums

SLIDE VIEWING BOX

Suitable to inspect slides, view the agglutination, The light box can be tilted to the front or back about 45° angle. The fluorescent tube mounted inside is covered with translucent acrylic sheet to give diffused cold light through the slide, suitable to work on 220 V AC supply

Cat No.	Approx. size
RSV-01	30 x12 x 15 cms.

SLIDE WARMING TABLE (THERMOSTATIC)



INSPIRATOR



TABLET FRIABILITY TEST APPARATUS



SLIDE VIEWING BOX



WATER STILL (manesty type) Wall mounting

Fully made of stainless steel, electrically operated to obtain distilled water. Models also available with detachable condenser tube for easy condenser tube cleaning. Suitable to work on 220 / 440 V AC supply.

Cat No.	Approx: Capacity / hr.	Watts
RWS-2	2 ltr.	1500
RWS-4	4 ltr.	3000
RWS-6	6 ltr.	4000
RWS-8	8 ltr.	6000
RWS-10	10 ltr.	8000

Automatic water level cut off system can be supplied

WATER STILL(Barnstead type- Tabletop model)

Table top model water still, fully made of stainless steel, electrically operated to obtain distilled water, double walled construction inner and outer made of stainless steel, provided with ceramic wool insulation to reduce heat loss, and more effective distillation.

Cat No.	Approx: Capacity / hr.	Watts
RWS T-2	2 ltr.	1500
RWS T-4	4 ltr.	3000
RWS T-6	6 ltr.	4000
RWS T-8	8 ltr.	6000
RWS T-10	10 ltr.	8000

Automatic water level cut off system can be supplied

PLANT SAMPLE GRINDER

Heavy duty construction. Base with sturdy M.S. plate, properly painted, grinding jar made of stainless steel, grinding blades made with high carbon steel. Driven by 1 HP AC TEFC motor single phase. Coupled with V-belt, suitable to grind wood, roots, leaf, nuts, seeds of plant etc

Cat NO	Capacity
RPSG-1	1.5 ltr

LABORATORY GRINDER (WILLY MILL TYPE)

Heavy duty construction. Pulverizer model grinder, housing with 75 mm dia and 45 mm depth, adjustable blade from side. The housing is equipped with a hopper at the top and collection chamber down with interchangeable mesh. Driven by 1 HP motor. Suitable to work on 230 V AC supply.

Cat No.	Grinder size
RGP-01	75x45mm

ROLLER POT MILL

Sturdy construction with Rubber lined rollers, driven by AC geared motor to obtain 70 RPM. Load capacity 25 kg. Unit supplied without pot and grinding balls. Suitable to work on 230 V AC supply.

Cat No.	Watts	RPM
RRPM-01	200	70

S.S. pots and ceramic grinding balls can be Supplied

WATER STILL



WATER STILL(Barnstead type- Tabletop model)



PLANT SAMPLE GRINDER



LABORATORY GRINDER (WILLY MILL TYPE)



MUFFLE FURNACE

Sturdy construction with M.S. sheet, Light weight construction, insulated with ceramic wool to reduce heat loss and weight. Maximum temperature 1000°C. Working temperature 900°C. Temperature controlled by Energy Regulator/ Digital Temp: controller, fitted with thermo-couple, pyrometer digital display. Provided with thermal fuse on specific request. Suitable to work on 230 V AC supply.

Cat No.	Internal dimension in cm	Kilo watts
RMF-1	10x10x22	1.5
RMF-2	12x12x25	2.0
RMF-3	15x15x22	2.5
RMF-4	15x15x30	3.0

Optional Accessories:-
Thermal Fuse, Solid State fuse

HIGH TEMP: MUFFLE FURNACE

Sturdy construction with M.S. sheet, Light weight construction, insulated with ceramic wool to reduce heat loss and weight. High temperature muffle furnace with maximum temperature 1200°C, working temperature 1100°C. Smaller size muffle concealed type and bigger fabricated with grooved refractory, open element type. Temperature controlled by Energy Regulator/ Digital Temp: controller, fitted with Thermo-couple, pyrometer digital display. Suitable to work on 230 V AC supply

Cat No.	Internal dimension in cm	Kilo watts
RMFH-1	10x10x22	1.5
RMFH-2	12x12x25	2.0
RMFH-3	15x15x22	2.5
RMFH-4	15x15x30	3.5

Micro-processor based programmable digital display temp. controller with temp. increment related to time with step for soak and ramp can be supplied

DEPTH SAMPLER

Designed to collect water samples from desired depth, suitable to collect water from pond, lake, and sea etc, easy to operate. The sample collection container is made of transparent Acrylic tube, Provided with drain cock in the bottom, provided with shutter opening and lid locking arrangement, one messenger is made of M.S. and galvanized is supplied, after lowering the depth sampler to the desired depth, the messenger can be send down through the rope, that will hit on the lock and release the lock simultaneously both the shutters will close and the water in that depth will be stored in the container. Supplied with 15 mtr rope.

Cat No.	Weight (approx.)	Capacity
RDS-1	3 kgs	2 ltr

GRAB SAMPLER

Fully made of stainless steel, very useful to collect sample of mud, sand, sediment from the pond, lake, and sea etc, supplied with 15 mtr. rope.

Cat No.	Weight (approx.)	Capacity (approx.)
RSG-1	5 kgs	2 kgs

MUFFLE FURNACE



DEPTH SAMPLER



GRAB SAMPLER



PHOTO-THERAPY UNIT

This dual light object photo therapy unit is designed for treatment to lower the serum bilirubin level in the neo natal babies. Provided with Perspex cradle to get the light from the bottom as well as from the top. Light object consists of 4 or 6 tubes of 20 W, each object consists of 2 UV tubes and remaining are fluorescent tubes. The UV tubes used are Philips Holland make to get the required wave length and heat. Special cooling fan is fitted in the light object to reduce the heat generating in the light source box, An hour meter (Hour totalizer) is also fitted with the top unit. Height of the light object can be adjusted. The entire unit is mounted on rigid castor wheel.

Cat. No.	No. of tubes Top unit	No. of tubes Bottom unit
RPTU-01 (Combined Unit)	Flou-4 UV-2	Flou-2 UV-2
RPTU-02 (Separate unit)	Flou-4 UV-2	Flou-2 UV-2

FERMENTOR

Available in two models. Vertical and Horizontal model. Triple walled construction suitable for Bio - fertilizer units to prepare and condition the broths for culture of various micro organisms. Fully made of stainless steel 304 quality sheet, inner jacket made of thick S.S. sheet and the outer insulated with glass wool blanket to minimize the heat loss and covered with S.S. sheet of 304 quality.

Steam generator made of thick gauge S.S. sheet and insulated, all the pressure control valves, inlet and outlet valves are made of S.S. provided with safety valves and pressure release valve and a digital temp: controller. Suitable to work on 230 V or 415 VAC. All the steam pipe are insulated and cladding provided with S.S. sheet. Water level indicator or water level cut OFF system can be incorporated with the steam generator.

Air compressor Oil less, with special HEPA filters provided at air intake position, Filtered compressed air passed through a moisture trap.

In the Vertical model fermentor a stirrer is provided, and in the Horizontal model a special motor is provided to mix up the broth.

Available in various sizes and capacity, 50 ltr to 250 ltr. Capacity single fermentor is available, for more quantity requirement two or more fermentors can coupled with one steam generator.

Cat No.	Capacity
RFB-200	200 ltr. Horizontal tank with 6 KW steam generator
RFB-400	200+200 ltr. Horizontal tank with 6 KW steam generator

Various models of fermentor is available on request, for rate please contact us with the capacity requirement and specifications.

PHOTO-THERAPY UNIT



FERMENTOR



VICAT SOFTENING APPARATUS WITH OIL BATH

Provided with a load carrying plate in a rigid metal frame, the tip can move freely in vertical direction. The indenting tip made with S.S. 3mm long 1 mm= 0.015m². Supplied with micro meter dial gauge graduated in division of 0.01 mm. The total thrust applied to the test specimen can be made up to 49.05 N (5.000 gf) and 49.5 N (5.050gf) (load of 5 kg)

Heating bath (oil bath) with efficient stirring mechanism with AC TEFC motor. A glass inspection hole in the one side and other side provided with light arrangements to see the test specimen. Temperature controlled by digital display temp. controller.

Cat. No. Bath size
RVS -1 20x25x25 cm

INDUSTRIAL OVEN

Double walled construction, inner & outer made of mild steel, properly painted. Glass wool insulation, temperature up to 200°C ± 5°C. Controlled by imported hydraulic Thermostat or Digital temp: controller. Provided with an air circulation fan, supply 415 VC.50Hz.

Sizes of standard models are given below; different size of ovens can be made with the specifications and requirement of the customer.

Cat No.	Internal Dimensions in cm
RHOI-332	91x91x60
RHOI-333	91x91x91
RHOI-343	91x121x91
RHOI-353	91x152x91
RHOI-363	91x182x91
RHOI-464	121x182x121
RHOI-483	121x243x91
RHOI-565	152x182x152

Digital Display temp. indicator cum controller model also available.

We undertake manufacturing of special purpose. Ovens/ Driers with specific constructional details, dimensions and temp: range etc. available with electrical heaters and diesel fired heat generators.

Specifications are subject to changes without prior notice.

VICAT SOFTENING APPARATUS WITH OIL BATH



INDUSTRIAL OVEN



Certificate of Registration

By
AQR India Pvt. Ltd.
New Delhi, India

B & C Industries

West Vengola, Perumbavoor.
Ernakulam, Kerala - 683556, India

Has successfully implemented a Quality Management System which has been registered by AQR India Pvt. Ltd.

ISO 9001: 2000

Scope: The manufacture of industrial laboratory equipments.

Certificate Number: AI-QMS-0797-00

Initial Registration Date: March 15, 2007

Registration Period: March 15, 2007 to March 14, 2010

IAF Accreditation Scope Category: 18, 19

NACE Codes Applicable: DK29.2, DL33.2

Exclusions: 7.3, Design and development



Ramdas Jaid
(Country Manager, India)

AQR India Pvt. Ltd. 7, Community Centre, 11th Floor, East of Kailash, New Delhi 110065
Tel: +91 11 41601242, 41604243, 32942268, Fax: +91 11 41601243

Validity of this certificate is based on periodic audits of the management system defined by the above scope and is contingent upon prompt written notification of significant changes to the management system and/or its components there of shall be immediately communicated to AQR India. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the above certification body.