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AUTO CLAVE

Cat. No.	Size	Rating	Capacity	Price Rs.
RAV-01	30 x 30 cm	2 K.W.	20 ltr.	16,500.00

Electrically operated, Single wall body made of heavy gauge stainless steel 304 quality sheet. Lid of the unit consists of pressure gauge, safety valve and pressure release valve. SS tray is supplied with the unit. ISI quality immersion type heater is used for heating.

AUTO CLAVE (VERTICAL)

Double walled construction, inner body made of heavy gauge 304 quality stainless steel sheet. The lid and ring are made of stainless-steel plate. The lid is fitted with pressure gauge, safety valve, steam exhaust valve and vacuum breaker provided safety valve is set to blow off 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 S.S Perforated basket.

Cat. No.	Size in mm	Capacity	K.W.	Outer M.S. & Inner S. S	Outer S.S. & Inner S. S
RAV-02	250 x 450	23 ltr.	1.5	43,000.00	51,000.00
RAV-03	300 x 500	35 ltr.	2.0	47,000.00	58,000.00
RAV-04	350 x 550	54 ltr.	3.0	53,000.00	67,000.00
RAV-05	400 x 600	78 ltr.	3.0	58,000.00	74,000.00
RAV-06	450 x 600	98 ltr.	4.0	66,000.00	82,000.00
RAV-07	550 x 750	184 ltr.	6.0	82,000.00	100,000.00

Optional accessories: - Can be incorporated with above equipment at below mentioned rate

1. Digital temp: controller and indicator (Microprocessor based) can be fitted Rs. 6,000/-
2. Digital timer can be fitted Rs. 3,000/-
3. Automatic Water level cut-off system Rs. 2,500/-
4. Auto pressure cut off system can be fitted Rs. 4,000/-
5. Water level indicator with glass tube Rs. 6,000/-
6. Auto purging and exhaust with solenoid valve Rs. 6,000/-

LPG Heating models also available on request.
Dressing drums are available on request at extra cost.

AUTO CLAVE - TRIPPLE WALLED (VERTICAL)

Specifications same as above with triple walled chamber to autoclave in non-wet condition. Steam chamber equipped with glass tube water level indicator and water filling arrangement from outside. Fitted with Digital display Temperature controller and Timer (Digital soak time) and water level cut-off system.

Cat. No.	Size in mm	Capacity	K.W.	Outer M.S. & Inner S.S.	Outer S.S. & Inner S.S.
RAV-02 T	250 x 450	23 ltr.	1.5	68,000.00	85,000.00
RAV-03 T	300 x 500	35 ltr.	2.0	75,000.00	93,000.00
RAV-04 T	350 x 550	54 ltr.	3.0	88,000.00	104,000.00
RAV-05 T	400 x 600	78 ltr.	3.0	95,000.00	114,000.00
RAV-06 T	450 x 600	98 ltr.	4.0	104,000.00	120,000.00
RAV-07 T	550 x 750	184 ltr.	6.0	124,000.00	142,000.00

Optional accessories: - Can be incorporated with above equipment at below mentioned rate

1.	Auto pressure cut off system can be fitted	Rs. 6,000/-
2.	Auto purging and exhaust with solenoid valve	Rs. 6,000/-

AUTO CLAVE - TRIPPLE WALLED (VERTICAL) Radial lock type

Specifications same as above with triple walled chamber to autoclave in non-wet condition. Steam chamber equipped with glass tube water level indicator and water filling arrangement from outside. Fitted with Digital Temperature controller, Timer (Digital soak time) and water level cut-off system.

Cat. No.	Size in mm	Capacity	K.W.	Outer M.S. & Inner S.S.	Outer S.S. & Inner S.S.
RAV-02 T	250 x 450	23 ltr.	1.5	99,000.00	117,000.00
RAV-03 T	300 x 500	35 ltr.	2.0	105,000.00	126,000.00
RAV-04 T	350 x 550	54 ltr.	3.0	118,000.00	137,000.00
RAV-05 T	400 x 600	78 ltr.	3.0	126,000.00	147,000.00
RAV-06 T	450 x 600	98 ltr.	4.0	140,000.00	157,000.00
RAV-07 T	550 x 750	184 ltr.	6.0	158,000.00	181,000.00

Optional accessories: - Can be incorporated with above equipment at below mentioned rate

1. Auto pressure cut off system can be fitted Rs. 6,000/-
2. Auto purging and exhaust with solenoid valve Rs. 6,000/-

Venturi vacuum system and moisture trap can be provided in the steam line of this model autoclave at an extra cost of Rs.18,500/-

ALL AUTOCLAVE MODELS CAN BE FITTED WITH DATALOGGER-PRINTER & PC INTERFACE

BOD INCUBATOR (COOLING INCUBATOR)

Double walled construction, outer body made of G.I sheet, properly powder coated and inside chamber can be made of choice of Aluminum or stainless-steel sheet. Temperature Range from 5°C to 60°C, controlled by digital display temperature controller with built in delay for compressor. Accuracy ± 0.5°C, an air circulation fan ensures even temperature inside the cabinet. Provided with plexiglass door inside, which makes it possible to inspect the specimens without disturbing the temperature. Supplied with adjustable shelves. Equipped with **C.F.C free** compressor and refrigerant.

Cat No.	Size	K. W	Capacity	Temp: Range	Price Rs.
RCI - 3 A	42x38x55	0.7	85 ltr.	5° C to 60° C (Chamber Aluminium)	77,000.00
RCI - 6 A	56x43x84	0.8	170 ltr.	5° C to 60° C (Chamber Aluminium)	79,000.00
RCI - 10 A	58x51x98	1	280 ltr.	5° C to 60° C (Chamber Aluminium)	88,000.00
RCI - 12 A	61x55x100	1.2	340 ltr.	5° C to 60° C (Chamber Aluminium)	95,000.00
RCI - 3 S	42x38x55	0.7	85 ltr.	5° C to 60° C (Chamber Stainless Steel)	84,000.00
RCI - 6 S	56x43x84	0.8	170 ltr.	5°C to 60° C (Chamber Stainless Steel)	88,000.00
RCI - 10 S	58x51x98	1	280 ltr.	5° C to 60° C (Chamber Stainless Steel)	98,000.00
RCI - 12 S	61x55x100	1.2	340 ltr.	5°C to 60° C (Chamber Stainless Steel)	105,000.00

Outer body with stainless steel 304 quality sheet can be fabricated on extra cost.
Suitable voltage stabilizer should be used to protect the equipment from voltage 2fluctuations
Nonuse of stabilizer will render the warranty of the equipment invalid.

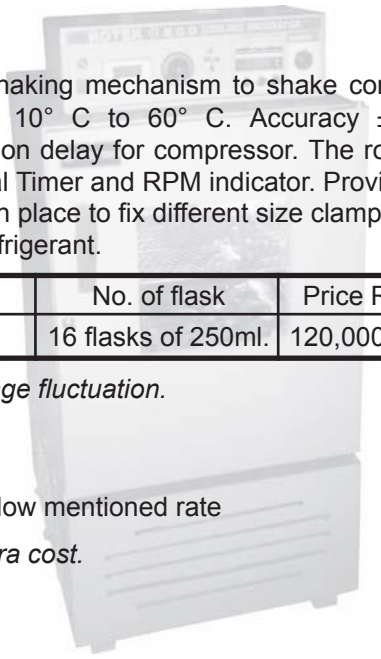
Stabilizer rating: -1 K.V.A for 85 and 170 Ltr. 2 K.V.A for 280 and 340 Ltr. Stabilizer can be supplied on extra cost.

Optional accessories: - Can be incorporated with above equipment at below mentioned rate Outer body with stainless steel 304 quality sheet can be fabricated on extra cost.

interior illumination with fluorescent tube 2 nos. Rs. 2,400/- Digital cyclic timer 0-24 hours for illumination control Rs.

3,500/- 1No. U.V. Tube - 45 cms15 watts. Rs.
2,750/-

INCUBATOR SHAKER equipped with Brushless DC Motor



This is a BOD incubator having 120L capacity. Equipped with orbital shaking mechanism to shake contents in Erlenmeyer flask at required temperature. Temperature ranges from 10° C to 60° C. Accuracy ± 0.5°C. Temperature controlled by digital display temperature controller with built on delay for compressor. The rotation of the shaker is controllable from 50 to 200 RPM and equipped with a digital Timer and RPM indicator. Provided with plexiglass door inside. The shaking platform is made of thick SS sheet with place to fix different size clamps to hold the flasks of different capacity. Equipped with CFC free compressor and refrigerant.

Cat. No.	Capacity	K. W	Platform size	No. of flask	Price Rs.
ROS I - 1	120 ltr.	1.0	45 x 45 cm.	16 flasks of 250ml.	120,000.00

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

Stabilizer rating: - 1 K.V.A.

Optional accessories: - Can be incorporated with above equipment at below mentioned rate

Outer body with stainless steel 304 quality sheets can be fabricated on extra cost.

Interior illumination with fluorescent tube 2 nos. - Rs.2,400/-
Digital cyclic timer 0-24 hrs. for illumination control - Rs.3,500/-
No. U.V. Tube - 45 CMS 15 watts. - Rs.2,750/-
Additional Lotus clamps - Rs. 250/- each
Stabilizer can be supplied - Rate on request

INCUBATOR SHAKER (heating) with Brushless DC Motor

This is an incubator having 120L capacity, equipped with orbital shaking mechanism to shake contents in Erlenmeyer flasks in required temperature. The temperature ranges from ambient +5°C to 60°C, controlled by digital display temperature controller with indicator. Accuracy ± 0.5°C. Speed of shaking is 50 to 200 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 with place to fix different size clamps to hold the flasks of different capacity.

Cat No.	Capacity	K. W	Platform size	No. of flasks	Price Rs.
ROS I -2	120 ltr.	0.3	45 x 45 cm.	16 flasks of 250 ml.	86,000.00

Optional accessories: -
1 No. U.V. Tube - 45 CMS 15 watts. - Rs. 2,750/-
Additional Lotus clamps on extra cost - Rs. 250/- each.

PLATELET INCUBATOR



Double walled construction, outer body made of G. I sheet, duly powder coated. Inner chamber made of stainless steel 304 quality sheet, temperature range 5°C to 60°C.Temperature controlled by digital display controller with built on delay for compressor, accuracy ± 0.5°C, provided with plexiglass door inside, suitable to place the platelet Agitator

Cat No.	Capacity	K. W	Price Rs.
RPI - 01	110 ltr.	1	112,000.00

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

Stabilizer rating: - 1 K.V.A.

Outer body with stainless steel 304 quality sheets can be fabricated on extra cost.

Stabilizer can be supplied on extra cost. (CVT / Servo stabilizer also available on request)

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 PMDC motor designed to get 80 (± 5 %) strokes per minute.

Cat No.	K. W	Capacity	Price Rs.
RPA - 01	1.0	32 blood bags	38,000.00

PLATLET ROTATOR

These rotators are designed to rotate the plasma bags in a fixed RPM of 4 to 5, to maintain the platelets in an even suspension thorough out the blood plasma in the bag. The rotating basket is made with S.S wire mesh, coupled with PMDC geared motor.

Cat No.	Capacity	RPM	Price Rs.
RPR - 01	32 blood bags	4 / 5	38,000.00

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, Temperature ranges from ambient + 5°C to 60°C, Temperature is Controlled by MCD (microprocessor controlled digital display) Controller. Provided with S.S tray with suitable supporters to hold racks or flasks on it. The up and down oscillation can be controlled by an electronic speed regulator, maximum 90 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 inside, position is provided in the chamber. Front door of the equipment is provided with full view glass door.

Cat No	Inner Dimensions	Rating	Price Rs
RHI - 01	35 x 40 x 35 cm	400 watts	88,000.00

BLOOD BANK REFRIGERATOR

Blood Bank Refrigerator is a versatile storage cabinet designed to meet various requirements in blood banks and related sectors. The most important factor is to provide uniform, accurate and steady temperature in the cabinet. The Blood Bank Refrigerator is set to give a fixed temperature of 4°C (can set between 2°C and 9°C) This unit give an accuracy of ± 0.5°C. An audio-visual alarm is incorporated in the temperature controller to work in the event of temperature fluctuation. A power failure alarm also fitted in the system with battery backup. Suitable to work on 220 V. AC supply.

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 reduce / minimize the temperature loss. Outer door is vacuum glass provided with magnetic beading, lock, key and handle, 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.

Cat No.	Storage Capacity	K. W	internal Dimensions L X W X H in cm	Price Rs.
RBBR - 40	60 bags	0.5	41 x 40 x 76	84,000.00
RBBR - 70	144 bags	0.6	53 x 46 x 98	102,000.00
RBBR -120	244 bags	0.7	60 x 55 x 108	113,000.00
RBBR -144	288 bags	1.0	68 x 64 x 110	150,000.00

Outer body with stainless steel 304 quality sheets can be fabricated on extra cost.

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

Nonuse of stabilizer will render the warranty of the equipment invalid. Stabilizer rating: - 1 K.V.A / 2 K.V. A / 3 K.V. A / 4 K.V.A. Stabilizer can be supplied on extra cost.

Temperature recorder with various specification can be supplied on extra cost

7 days Circular Chart Recorder ink type Rs. 28,000.00

7 days Circular Chart Recorder ink less Rs. 37,000.00

RS 232 interface (without printer) Rs. 38,000.00 Battery backup for digital temp. controller Rs. 8,000.00

Temp. recorder with paper print out model with digital display indicator model is available Rs. 32,000.00

Blood collection monitor I Donor couch can be supplied on request- rate available on request

DEEP FREEZER (HORIZONTAL) - 20°C

Double walled construction, outer body made of G.I. sheet, powder coated, inner chamber made of stainless steel, with PUF insulation, temperature -20°C, fitted with digital temperature controller with built in on delay for compressor. Equipped with CFC free compressor and refrigerant.

Cat. No.	Size CMS L W H	K. W	Capacity	Price Rs. with digital temp: controller
RDF - 100	60x45x45	0.5	110 ltr.	66,000.00
RDF - 175	86x51x51	0.7	175 ltr.	73,000.00
RDF - 280	120x53x53	0.8	280 ltr.	90,000.00
RDF - 450	155x55x55	1.0	450 ltr.	105,000.00

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation.
Nonuse of stabilizer will render the warranty of the equipment invalid.
Stabilizer rating: - 1 K.V.A / 2 K.V.A / 3 K.V. A / 4 K.V.A.
Stabilizer can be supplied on extra cost.
Outer body with stainless steel 304 quality sheets can be fabricated on extra cost.

DEEP FREEZER (VERTICAL) - 20°C

Double walled construction, outer body made of G.I. sheet, inner chamber made of stainless steel, fitted with digital temperature controller with built on delay for compressor, insulation PUF provided with thick plexiglass door inside. Equipped with CFC free compressor and refrigerant.

Cat. No.	Size CMS W D H	K. W	Capacity	Price Rs. with digital temp: controller
RDFV - 110	45x45x60	0.5	100 ltr.	74,000.00
RDFV - 175	51x51x67	0.7	175 ltr.	80,000.00
RDFV - 280	53x53x90	0.8	280 ltr.	94,000.00
RDFV - 400	65x63x98	1.0	400 ltr.	115,000.00

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation.
Nonuse of stabilizer will render the warranty of the equipment invalid. Stabilizer rating: - 1 K.V.A. / 2 K.V.A / 3 K.V. A / 4 K.V.A. Stabilizer can be supplied on extra cost.
Outer body with stainless steel 304 quality sheets can be fabricated on extra cost.
Frost free deep freezer can be supplied on extra cost.
ILR (Ice Lined Refrigerator) can be supplied on request *(rate given on request)*

DEEP FREEZER (HORIZONTAL) - 35°C

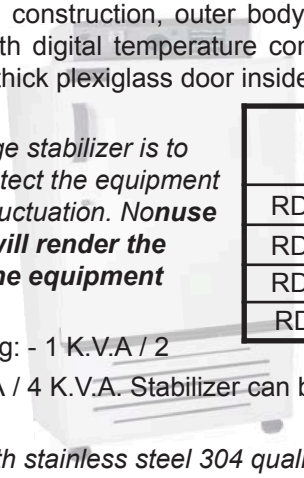
Cat. No.	K. W	Size CMS W D H	Capacity	Price Rs. with digital temperature controller
RDFL - 110	0.5	60x45x45	100 ltr.	79,000.00
RDFL - 175	0.7	86x51x51	175 ltr.	86,000.00
RDFL - 280	0.8	120x53x53	280 ltr.	101,000.00

Double walled construction, outer body made of G.I. sheet, inner chamber made of stainless steel, Temperature: -35^{0}C, fitted with digital temperature controller and indicator with built in on delay for compressor. PUF insulation. Equipped with CFC free compressor and refrigerant.

Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation.
Nonuse of stabilizer will render the warranty of the equipment invalid.
Stabilizer rating: - 1 K.V.A. / 2 K.V.A / 3 K.V. A / 4 K.V.A.
Stabilizer can be supplied on extra cost.
Outer body with stainless steel 304 quality sheets with GMP standard can be fabricated on extra cost.

DEEP FREEZER (VERTICAL) - 35°C

Double walled construction, outer body made of G.I sheet duly powder coated, inner chamber made of stainless steel, fitted with digital temperature controller and indicator with built in on delay for compressor, insulation PUF, provided with thick plexiglass door inside. Equipped with CFC free compressor and refrigerant.



Cat. No	K. W	Size. W D H	Capacity	Price Rs. with digital temp. controller
RDFVL - 100	0.5	45x45x60	100 ltr.	92,000.00
RDFVL - 175	0.7	51x51x60	175 ltr.	102,000.00
RDFVL - 280	0.8	53x53x90	280 ltr.	118,000.00
RDFVL- 340	1.0	60x60x95	340 Ltr	132,000.00

*Suitable voltage stabilizer is to be used to protect the equipment from voltage fluctuation. No**nuse of stabilizer will render the warranty of the equipment invalid.***

Stabilizer rating: - 1 K.V.A / 2 K.V.A / 3 K.V.A / 4 K.V.A. Stabilizer can be supplied on extra cost.
Outer body with stainless steel 304 quality sheets with GMP standard can be fabricated on extra cost.

DEEP FREEZER (HORIZONTAL I VERTICAL) - 80^{0}C (Ultra Low Temp.)

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^{0}C (at ambient temp: of 20^{0}C AC room) fitted with digital temperature controller and indicator with special features of cascade function and built in on delay for Compressor, 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.

Nonuse of stabilizer will render the warranty of the equipment invalid.
Stabilizer rating: - 4 K.V.A / 5 K.V.A (Servo Stabilizer)

HORIZONTAL

Cat. No.	Capacity	K. W	Inner Dimension (L W D)	Price Rs.
RUDF-110	110 lit	1	60 x 45 x 45	285,000.00
RUDF-175	175 lit	1.4	67 x 51 x 51	310,000.00
RUDF-250	250 lit	1.6	90 x 53 x 53	420,000.00

VERTICAL

Cat. No.	Capacity	K. W	Inner Dimension (W D H)	Price Rs.
RUDFV-110	110 lit	1	45 x 45 x 60	290,000.00
RUDFV-175	175 lit	1.4	51 x 51 x 67	340,000.00
RUDFV-250	250 lit	1.6	53 x 53 x 90	445,000.00

HUMIDITY OVEN

Cat No.	Capacity	Chamber Size (Approx.) in cm W D H	Price Rs. Al. chamber	Price Rs. S.S Chamber	
REO - 4	110 ltr.	45 x 45 x 60	60,000.00	72,000.00	
REO - 6	175 ltr.	50 x 45 x 80	65,000.00	82,000.00	
REO - 10	280 ltr.	60 x 55 x 90	79,000.00	90,000.00	
REO - 12	340 ltr.	60 x 60 x 90	93,000.00	107,000.00	

Double walled construction, outer body made of C.R Sheet, inner chamber made with 304 quality Stainless steel sheet. Or Aluminium sheet. Temperature range ambient +10° to 60°C. Accuracy ± 1°C. Temperature and Humidity controlled by digital display temperature controller. Humidity up to 90% RH, accuracy ± 3%. Supplied with Water level cut-off system and water level control also incorporated in this unit. Digital temp.
controller and indicator and humidity controller indicator with capacitive sensor, it is suitable to work below 90% humidity. For humidity above the limit wet/dry bulb method system is suitable.

Microprocessor controlled programable Temperature and Humidity controller with RS 232 interface to take print out in regular intervals Rs. 38,000-00 Optional

Accessories can be incorporated in the equipment on extra cost

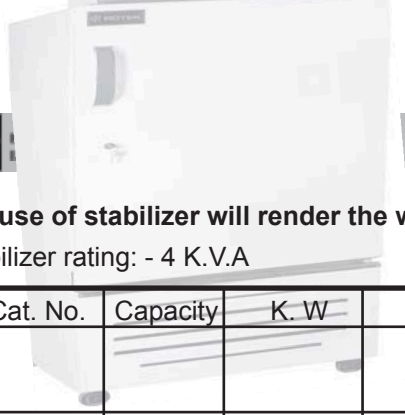
0 - 24 hrs. Digital cyclic timer - Rs.
3,500/-. illumination with CFL or Fluorescent tube two numbers - Rs. 2,400/-
45 CMS 15 watts UV tube one - Rs. 2,750/-

Outer body with stainless steel 304 quality sheets with GMP standard can be fabricated on extra cost.

HUMIDITY CABINET (Environmental test Chamber) Stability Chamber

Double walled construction, outer body made of G.I. sheet, inner chamber made with 304 quality Stainless steel sheet. Temperature range 5°C to 60°C. Accuracy ± 0.5°C. Temperature-humidity controlled by digital display temperature controller and indicator with capacity sensor which is suitable to work below 90% humidity or humidity above the limit dry bulb and wet bulb method system is suitable. Humidity range 40% to 90% RH, accuracy ± 3%. Supplied with Aluminium anodized relative humidity chart. Water level cut off and control are also incorporated to this unit.

Suitable stabilizer must be used to protect the equipment from voltage fluctuation



Nonuse of stabilizer will render the warranty of the equipment invalid.

Stabilizer rating: - 4 K.V.A

Cat. No.	Capacity	K. W	Chamber Size (Approx.) in cm	Price Rs. Al. chamber	Price Rs. S. S
RHC - 4	110 ltr.	3.3	45 x 45 x 60	90,000	102,000.00
RHC - 6	175 ltr.	3.4	50 x 45 x 80.	95,000	115,000.00
RHC - 10	280 ltr.	3.7	60 x 55 x 90	107,000	124,000.00
RHC - 12	340 ltr.	4	60 x 60 x 90	124,000	133,000.00

Optional accessories can be incorporated in the equipment on extra cost

0 - 24 hrs. Digital cyclic timer for illumination control	-	Rs. 3,500/-.
illumination CFL or Fluorescent tube two no's	-	Rs. 2,400/-
45cms 15 watts UV tube one	-	Rs. 2,750/-

Microprocessor controlled programable Temperature and Humidity controller with RS 232 interface to take print out of temperature and humidity in regular intervals - Rs. 38,000/-

Stainless steel outer body *with GMP standard* can be supplied at an extra cost.

Stabilizer can be supplied on extra cost.

PLANT GROWTH CHAMBER

Double walled construction, outer body made of G.I. sheet, duly powder coated, inner chamber made with 304 quality Stainless steel sheet. Temperature ranges from 10°C to 60°C. Accuracy ± 1°C. Temperature-humidity controlled by digital display temperature controller. Humidity range 50% to 90% RH, accuracy ± 3%. temperature and humidity are controlled by digital display temperature controller and Humidistat. **This equipment is fitted with a versatile temperature and Humidity programable instrument for setting the temperature variations of Day and Night, can set ramp and soak of temperature and humidity**. An in-built program (RS 232) for parallel printer inter face provided with the controller, supplied with a connector to connect to the PC/printer, to take print out of the temperature and humidity in selected intervals.

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

Cat No	Capacity	No. of racks	Price Rs.	With PLC Controller
RPGC - 01	300 ltr.	6	242,000.00	317,000
RPGC - 02	600 ltr.	12	473,000.00	548,000

Stabilizer rating - 4 K.V.A
UV light - 1 no. - Rs. 2750/-
Outer body with stainless steel 304 quality sheets with GMP standard can be fabricated on extra cost.
Stabilizer can be supplied on extra cost.

SEED GERMINATOR

Double walled construction, outer body made of G.I. sheet, inner chamber made with 304 quality stainless steel sheet. Temperature range 10°C to 60°C. Accuracy ± 1°C. Temperature and humidity controlled by digital display temperature controller. Humidity range 50% to 90% RH, accuracy ± 3% temperature and humidity are controlled by digital display temp: controller and Humidistat. This equipment is fitted with a versatile temp: and Humidity programable instrument for setting the temperature variations of Day and Night, can set ramp and soak of temp: and humidity. An in-built program for parallel printer interface (RS 232) provided with a connector to connect to the PC/Printer, to take print out of the temp: and humidity in set intervals.

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

Cat No.	Capacity	No. of racks	Price Rs.
RESG - 01	175 ltr.	4	165,000.00
RESG - 02	300 ltr.	6	195,000.00

Stabilizer rating - 4 K.V.A
UV light - 1 no. - Rs. 2,750/-
Seed germinator with customer specifications and size
can be supplied on request.
please contact us with details and specifications.
Outer body with stainless steel 304 quality sheet with GMP standard can be fabricated on extra cost.
Stabilizer can be supplied on extra cost

ENVIRONMENTAL CONTROLLER (De-HUMIDIFIER)

This refrigerated unit is suitable for de-humidification of packaging cabin / rooms in food and chemical industry. The room or cabin should be well closed and occupants should be minimum, the achievable humidity approx. 40 %.

Cat No.	Approx. Water collected / day	Area / No. of occupants		Price Rs.
RDH – 01	12 lit	30 m^3	2	on request
RDH – 02	16 lit	48 m^3	3	on request
RDH – 03	20 lit	60 m^3	4	on request
RDH – 04	24 lit	70 m^3	5	on request

Suitable voltage stabilizer must be used to protect the equipment from voltage fluctuation.
Nonuse of stabilizer will render the warranty of the equipment invalid.

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

TISSUE CULTURE HOOD

Made with CRCA sheet powder coated. Table top is laminated with melamine or Stainless-steel sheet. Folding type framed plexiglass 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	K. W	Price Rs.
			S.S. table top
RTH - 01	120 x 60 x 60 cm	0.150	40,000.00

INOCULATION HOOD

Made of C.R. sheet, properly powder coated or painted, approximate working space 65 x 60 x 70 CMS height at back, equipped with exhaust system. The inclined front portion paneled with transparent Plexi glass and provided with glove ports, one fluorescent light and one U.V. Germicidal light provided with separate switches.



Cat. No.	K. W	Working space (approx.) L X W X H	Price Rs.
RIH - 01	0.1	65 x 60 x 70 cm	19,000.00

LAMINAR FLOW CABINET (HORIZONTAL FLOW)

A unit to provide clean air, removes dust particles, double filtration of air through, prefilters and HEPA filters. Laminar flow cabinet are made of C R C A sheet. All exterior / interior surfaces are properly powder coated, all the interior portions are over coated with epoxy paint, exterior areas are over coated with P U paint (weather resistant). Stainless Steel table top, front and side of the working table are paneled with 3 mm / 4 mm U.V. Germicidal polycarbonate transparent glass door. Equipped with U.V. Germicidal light for sterilization and it is interlocked with shutter operation. Fluorescent light, provided cock for gas/air, prefilter & Hepa filter, static inclined pressure manometer.

We are using energy efficient modular blower unit (equivalent to EBM type) with resilient mounting to get high efficiency air flow and low noise and less vibration.

Cat No.	Working Area in cm	Approx. external dimension	Price Rs.	
		L x W x H in cm	S.S. Tabletop Deep pleat HEPA	SS Table Top Minipleat HEPA
RL - 22	60 x 60 x 60	65 x 100 x 155	70,000.00	74,000.00
RL - 32	90 x 60 x 60	95 x 100 x 155	82,500.00	88,000.00
RL - 42	120 x 60 x 60	125 x 100 x 155	92,000.00	98,000.00
RL - 62	180 x 60 x 60	187 x 100 x 155	114,000.00	125,000.00

Digital/Analog Magnehelic pressure gauge can be fitted on extra cost - Rs.14,000/-

LAMINAR FLOW CABINET (VERTICAL FLOW)

Fitted with all standard accessories stated in the horizontal manner Laminar Flow Cabinet.

Cleanliness class 100 with an efficiency 99.9%, Particle retention 0.3 microns and above.

Cat. No.	Working Area	Approx. external dimension	Price Rs.	
	Satin finish S.S. Table top (cm)	L x W x H in cm	Deep Pleat HEPA	Mini Pleat HEPA
RLV - 22	60 x 60 x 60	70 x 76 x 198	75,000.00	80,000.00
RLV - 32	90 x 60 x 60	98 x 76 x 198	86,000.00	92,000.00
RLV - 42	120 x 60 x 60	128 x 76 x 198	95,000.00	104,000.00
RLV - 62	180 x 60 x 60	188 x 76 x 198	120,000.00	132,000.00

Optional accessories -
Magnehelic pressure gauge can be fitted on request Rs.14,000/-
Microprocessor based LCD touch screen controller module with air flow speed regulator can be Supplied on extra cost request Rate Rs. 45,000.00
Outer body with stainless steel 304 quality sheet with GMP standard can be fabricated on extra cost.
ULPA ultra filter with 99.99% filtration efficiency for 0.12 microns can be supplied on extra cost.

QUALITY STANDARD OF HEPA FILTER

Hot DOP Tested, "Point to Point" scanned, HEPA Filter with 99.99% filtration efficiency for 0.3 microns or 99.999% efficiency for 0.3 microns in Deep Pleat and Mini Pleat Hepa types constructed as per IESP RP CC 001 and tested as per IEST RP CC 34.
Meets grades H13 and H 14 respectively as per EN 1822.
Air cleanliness class ISO Class 5 as per ISO 14644-1 and Class 100 as per FED STD 209 E.

QUALITY STANDARD OF PRE-FILTER

Synthetic filer for particle retention up to 10 microns with 90% retention efficiency.

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 C R C A sheet. All exterior / interior surfaces are properly powder coated, all the interior portions are over coated with epoxy paint, exterior areas are over coated with P U paint (weather resistant). All the interior joints are sealed with good quality adhesives and made the cabinet leak proof.
Air Flow: vertical CLASS I

This includes standard accessories like static pressure manometer, HEPA filter for cabinet (mini 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 meters length PVC pipe of 6" diameter will be supplied for exhaust air vent out.

We are using energy efficient modular blower unit (equivalent to EBM type) controllable speed, with resilient mounting to get high efficiency air flow and low noise and less vibration.

Cat. No.	Working table size L X W X H in cm	K. W	Approx. external dimensions	Price Rs.
RBSC - 2	60 x 60 x 60	400	660 x 750 x 2300	120,000.00
RBSC - 3	90 x 60 x 60	500	960 x 750 x 2300	128,000.00
RBSC - 4	120 x 60 x 60	600	1260 x 750 x 2300	132,000.00
RBSC - 5	150 x 60 x 60	700	1560 x 750 x 2300	145,000.00
RBSC - 6	180 x 60 x 60	800	1850 x 750 x 2300	155,000.00

In compliance to its safety performance requirements and specifications 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 A2

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

CLASS III (isolated Chamber type designed for very hazardous work like cytotoxic and Radio toxic medicine formulation and preparation area - Chemo Therapy)

The safety level of the above BSC is different from one another. Recirculating a part of the cabinet air occurred in few models. Many factors are taken in consideration, like risk factor towards the user and the environment. In the event of the high-risk bio-safe cabinets the exhaust air must passes through a UV Germicidal chamber and a virus burn out unit or an Air incinerator. Supplied with glove ports and gauntlets for certain models.

The price mentioned above is the basic rate of ordinary bio safe cabinet Class I (safety level low - moderate). The price of the special BSC depends on the size and requirement of safety level. Please contact us for the details and safety requirements.

Optional Accessories
Virus Burn out unit with stainless steel chamber,1200 watts, with digital display temperature controller. Price Rs.17,000/- Glove ports and gauntlets on request.
Digital Magnehelic pressure gauge Rs.14,000/-
ULPA ultra filter with 99.99% filtration efficiency for 0.12 microns can be supplied on extra cost.

Validation of LAF / Bio safety cabinet can be arranged on site at an extra cost.
There are two methods of validation:

- ***Particle counter testing.***
- ***Photometer – DOP Test (For this test Nitrogen gas or compressed air should be arranged by the party.) To arrange the validation test: - 15 days prior booking is required.***

ROTEK BIOSAFETY CABINET with Touchscreen HMI CONTROLLER

Rotek HMI Controller our unique microprocessor-based LCD touchscreen controller exclusively designed by our in-house engineers for clean room equipment's comes with

- 7" Inch LCD touchscreen display with process monitoring.
- Real time function graphics.
- Touch controls for ON/OFF, Speed and UV operation.
- UV working time, displays the life and working of UV Light.
- Standby mode for Energy saving.
- Alarm function and door safety level indication and more.
- Shows real time temperature of Virus burnout
- Additional software updates possible

Cat. No.	Working table size L X W X H in cm	K. W	Approx. external dimensions	Price Rs.
RBSC – 2D	60 x 60 x 60	400	660 x 750 x 2300	210,000.00
RBSC – 3D	90 x 60 x 60	500	960 x 750 x 2300	220,000.00
RBSC – 4D	120 x 60 x 60	600	1260 x 750 x 2300	230,000.00
RBSC – 5D	150 x 60 x 60	700	1560 x 750 x 2300	245,000.00
RBSC – 6D	180 x 60 x 60	800	1850 x 750 x 2300	260,000.00

GLASS BEAD STERILIZER

Housing made of S S mounted on a powder coated body, ceramic wool insulation, suitable to sterilize tongs, inoculating loops, needles etc. Flameless electric operation safe guards' personnel and is ideal for anaerobic chamber. Preventing infections splatter and cross contamination, temperature controlled by thermostat. Suitable to work on 220 VAC.

Cat. No.	Inner Dimension	Watts	Price
RGBS.1	5 CMS diameter 12 CMS depth	400	14,000.00

INFRA RED STERILIZER



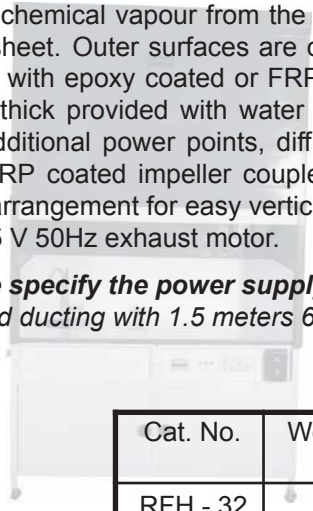
Sterilizes inoculating loops, needles and culture tube mouths safely and conveniently, preventing infectious splatter and cross contamination. Flameless electric operation safe guards' personnel and is ideal for anaerobic chamber. Provided with ON / OFF switch, pilot light and energy regulator. Suitable to works on 220 VAC supply.

Cat. No.	Inner Dimension	Watts	Price Rs.
RIRS.1	6 CMS diameter 12 CMS depth	300	14,000.00

FUME EXHAUST HOOD

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 waterproof marine plywood or CR sheet. Outer surfaces are covered with epoxy coating / FRP covering, as required. The inner surfaces are covered with epoxy coated or FRP lining as required. The working table is covered with acid proof granite slab of 20 mm thick provided with water tap, and FRP/stainless steel or ceramic sink as required. Provided with Gas/Air cock, additional power points, diffused fluorescent tube. The exhaust system consists of a dynamically balanced epoxy/FRP coated impeller coupled with TEFC industrial motor. The front glass shutter is provided with counter weight arrangement for easy vertical sliding. Bottom stand provided with cupboard and drawers. Generally Supplied with 415 V 50Hz exhaust motor.

"Please specify the power supply availability, for Exhaust motor 230 V or 415 V
Standard ducting with 1.5 meters 6" PVC pipe provided to the exhaust ducting." for extra length Rs. 450/- per meter



Cat. No.	Working table size in cm	Approx. External dimension in cm	Watts	Price Rs.
RFH - 32	90 x 60 x 60	96 x 75 x 240	400	88,000.00
RFH - 42	120 x 60 x 60	126 x 75 x 240	400	95,000.00
RFH - 52	150 x 60 x 60	155 x 75 x 240	400	102,000.00
RFH - 62	180 x 60 x 60	185 x 75 x 240	800	115,000.00

TABLE TOP MODEL

Cat. No.	Working table size in cm	Approx. External dimension in cm	Sla Pri
RFH - 32	90 x 60 x 60	96 x 75 x 150	78,0
RFH - 42	120 x 60 x 60	126 x 75 x 150	85,0
RFH - 52	150 x 60 x 60	155 x 75 x 150	90,0
RFH - 62	180 x 60 x 60	185 x 75 x150	98,0

Without bottom stand and cupboard

Activated charcoal filter can be supplied on request at extra cost.

Fabrication with special dimensions and coating requirement may requested to contact us before placing the order.

TISSUE CULTURE RACK

Made with tubular G.I. pipe or tubular Aluminum pipe, duly powder coated. Having rack size of 125 CMS length and 53 CMS width, supporting channels for keeping the culture trays are provided in each rack height between each rack is 38 CMS. Each rack is fitted with two fluorescent LED tube and U.V. tube 3 feet.

Cat. No.	No. of Racks	Watts	Material of Construction	Price Rs.
RTCR - 01	4	280	G.I. Pipe & MS Frame	49,000.00
RTCR - 03	5	350	G.I. Pipe & MS Frame	58,000.00

Same with MS angle frame and topped with 6 mm glass. 2 fluorescent tubes provided in each rack.

4 racks - Rs. 38,000/- 5 racks - Rs. 43,000/-

AGITATORS (HEAVY DUTY)

The entire unit is mounted on C bracket with tightening screw which can be mounted on sturdy beam.
To regulate speed suitable AC drive (VFD) can be supplied on extra cost

Specifications	Cat No.	Motor HP	Capacity liters	Price Rs.
Standard AC - Motor connected with heavy worm type gear box, choice of RPM ratio available on request. Supplied with rubber / FRP lined shaft. Stainless steel shaft can be supplied on extra cost	RA - 01	1 HP	1000-1500	40,000.00
	RA - 02	1.5 HP	1500-2000	46,000.00
	RA - 03	2 HP	2000-3000	49,000.00
	RA - 04	3 HP	3000-5000	55,000.00

MEDICO	Cat No.	Capacity	Price Rs.
Medico Centrifuge - Swing out head	RMC - 4	4 x 15 ml	6,500.00
(Outer body made of fiber glass and paint finished)	RMC - 6	6 x 15 ml	6,800.00

Medico Centrifuge - Swing out head (Outer body made of aluminium and powder coated)	RMC - 4 A	4 x 15 ml	6,200.00
	RMC - 6 A	6 x 15 ml	6,400.00
CLINICAL			
Clinical Centrifuge - Angle rotor head	RCH - 4	4 x 15 ml	5,800.00
	RCH -6	6 x 15 ml	6,000.00
	RCH -8	8 x 15 ml	6,200.00

CENTRIFUGES

 Specifications	Cat No.	Price Rs.
Multipurpose Laboratory Centrifuge with speed regulator (without head)	M 8 A	11,500.00
Multipurpose Laboratory Centrifuge with 30 min spring Timer and speed regulator (without head)	M 8 B	12,000.00
Above with Digital Timer	M 8 BE	13,000.00
Multipurpose Laboratory Centrifuge with Digital Timer and digital RPM indicator (without head)	M 8 E	15,000.00
Multipurpose Laboratory Centrifuge with microprocessor-based memory and Digital Timer and digital RPM with LCD indicator (without head)	M 8 ME	16,000.00

MULTI PURPOSE LABORATORY CENTRIFUGE

CENTRIFUGE (BRUSH LESS MODEL)

Brushless type Centrifuge are new innovative model which uses Brushless AC motor it comes with a VFD controller which works at 220V AC. Main features

- Low maintenance, No Carbon Brush or Carbon Dust
- Maximum RPM up to 5,000
- Constant RPM even in case of voltage fluctuations.
- Programmable RPM and timer with digital indicator
- Imbalance detector and auto stop at high imbalance condition.

CENTRIFUGE WITH OUT HEAD

Cat No	Motor HP	Price
RBLC	1/4	28,000-00

Suitable heads can be selected from the below chart

ROTOR HEADS FOR M8 A, M8 B, M8 E, M8 ME,BRUSHLESS (INTERCHANGABLE)



	Cat No.	Capacity in ml	Price Rs.
Swing out heads	SH - 1	8 x 15	2,400.00
	SH - 2	4 x 50	3,000.00
Angel Rotor heads	AH - 1	8 x 15	2,400.00
	AH - 2	12 x 15	2,700.00
	AH - 3	4 x 50	2,800.00
	AH - 4	6 x 50	3,200.00
	AH - 5	16 x 15	3,200.00

STIRRERS

Light duty stirrer with 1/20 HP Continues duty universal motor. Maximum RPM 5000

Cat No.	Motor HP AC/DC	Coupling	Speed Regulator	Capacity Ltr.	Price Rs.
RSD - D 1	1/20	Bush	Mounted Electronic Speed regulator	6 to 8	6,500.00
RSD - D 2	1/20	Bush	Separate speed Regulator (Electronic)	6 to 8	7,600.00
RSD - D 3	1/20	Bush	Auto Variac (Separate)	6 to 8	9,500.00
RSD - D 4	1/20	Self-centering Chuck	Separate speed Regulator (Electronic)	6 to 8	8,800.00
RSD - D 5	1/20	Self-centering Chuck	Auto Variac (Separate)	6 to 8	10,000.00

MEDIUM DUTY STIRRERS (MULTI PURPOSE) MAXIMUM RPM 5000

RSD - D 7	1/12	Chuck (Self-centering)	Separate Speed regulator (Electronic)	10 - 15	10,000.00
RSD - D 8	1/12	Chuck (Self-centering)	Auto Variac (Separate)	10 - 15	12,000.00

RSD - D 9	1/8	Chuck (Self-centering)	Separate Speed regulator (Electronic)	15 - 20	10,500.00
RSD - D 10	1/8	Chuck (Self-centering)	Auto Variac (Separate)	15 - 20	13,500.00

DC MOTOR STIRRER

DC motor stirrer with 1000 rpm suitable to work on 24-volt DC supply.

Cat. No.	Torque	RPM	Coupling	Speed Regulator	Price Rs.
RSD - D15	2 kg	1000	Bush	Electronic speed regulator	11,500.00
RSD - D16	4 kg	1000	Bush	Electronic speed regulator	14,800.00

Digital RPM / Timer indicator can be fitted on extra cost - Rs. 5,000/-

GEARED STIRRER WITH PMDC MOTOR

Stirrer with planetary geared motor, driven by PMDC motor. Available with 400 rpm. suitable to work on 12-volt DC 4.5 A or 24-volt DC 2.3 A Power supply.

Cat. No.	Torque	RPM	Coupling	Speed Regulator	Price Rs.
RSD - G3	4 kg	400/600	Bush	Electronic speed regulator	18,000.00
RSD - G4	8 kg	400/600	Bush	Electronic speed regulator	21,000.00

HOMOGENISOR

LOW SPEED HOMOGENISOR

Cat No:	Motor HP	Coupling	Speed	Price Rs.
RH - 1	1/10 HP AC. Continuous duty	Bush	Low speed (Single speed) RPM - 1440	8,000.00

Provided with 15 / 25 ml. homogenizing glass cup and Teflon pastel.

HIGH SPEED HOMOGENISOR

Cat No:	Motor HP	Coupling	Speed	Price Rs.
RH - 2	1/12 HP AC/DC Universal motor	Chuck	Separate Auto Variac speed regulator up to 5000 RPM	11,500.00

Provided with 15 / 25 ml homogenizing glass cup and Teflon pastel

Spare Homogenizing Cup with pastel 15 ml Rs. 900/-, 25 ml Rs. 1100/-

Cat No.	Specifications	Capacity	Price Rs.
RMS - M	Mini magnetic stirrer	500 ml.	4,000.00
RMS - 1	Magnetic stirrer with electronic speed regulator	1 ltr.	5,000.00
RMS - 1 H	Magnetic stirrer with electronic speed regulator and Hot plate with Energy regulator, temp: upto 100^0 C	1 ltr.	6,000.00
RMS - 2	Magnetic stirrer with electronic Speed regulator	2 ltr.	6,000.00
RMS - 2 H	Magnetic stirrer with electronic speed regulator and Hot plate with Energy regulator, temp: upto 100^0 C	2 ltr.	7,000.00
RMS - 5	Magnetic stirrer with electronic speed regulator	5 ltr.	9,500.00

RMS - 5 H	Magnetic stirrer with electronic speed regulator and Hot plate with Energy regulator, temp: upto 100^0 C	5 ltr.	10,200.00

MAGNETIC STIRRERS

Fabricated with thick M.S. Sheet, duly powder coated. Driven by AC shaded pole motor, used with good quality Alnico permanent magnet for rotator and one Teflon coated magnetic paddle, supplied with or without hotplate.



ROTAMANTLE

This is a suitable equipment to stir and heat, contents in round bottom flasks. The heating mantle is made of fiber glass yarn and nichrome / kanthal element, mounted on a magnetic stirring unit with controllable heat and speed arrangement.

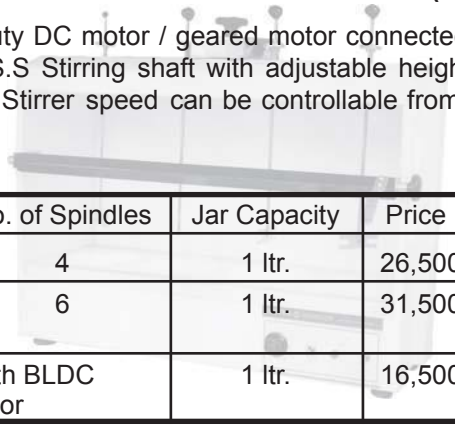


Cat. No.	Capacity of flasks	Watts	Price Rs.
RRM - 01	250 ml.	120	8,600.00
RRM - 02	500 ml.	250	9,300.00
RRM - 03	1 ltr.	300	10,000.00
RRM - 04	2 ltr.	400	10,800.00

Magnetic stirrer with PMDC motor can be supplied on extra cost - Rs. 1,000/-

FLOCCULATOR - JAR TEST APPARATTUS (MULTI SPINDLE STIRRER)

Continuous duty DC motor / geared motor connected with gear chain arrangement to achieve uniform speed in all the spindles S.S Stirring shaft with adjustable height, illuminated with fluorescent diffused light. Supplied without glass beaker. Stirrer speed can be controllable from 30 to 250 RPM. Two models available. *Please specify RPM requirement*



Cat No:	No. of Spindles	Jar Capacity	Price Rs.
RF – 04	4	1 ltr.	26,500.00
RF – 06	6	1 ltr.	31,500.00
Single jar	With BLDC motor	1 ltr.	16,500.00

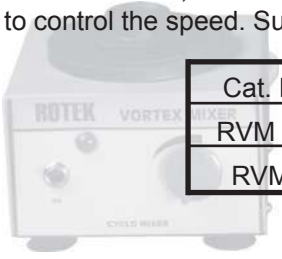
2 Models available - RPM Range - 30 to 100

RPM Range - 50 ł0 200.

Digital display RPM indicator and timer can be fitted with the above instrument at an extra cost of Rs. 6,000/-

VORTEX MIXER (CYCLOMIXER)

This Vortex mixer is used for thorough mixing of precipitates in test tubes, small bottles or flasks. Provided switch for on touch working. A speed regulator switch also provided to control the speed. Suitable to work on 220 V AC.



Cat. No.	Motor	Price (Rs.)
RVM - 01	1/50 HP	6,000.00
RVM-02	BLDC	8,500

With heavy duty PMDC motor available at Rs 8500/-

VDRL ROTATOR

Two models are available with predetermined speed of 100 and 180 RPM. Equipped with 15 minutes timer.



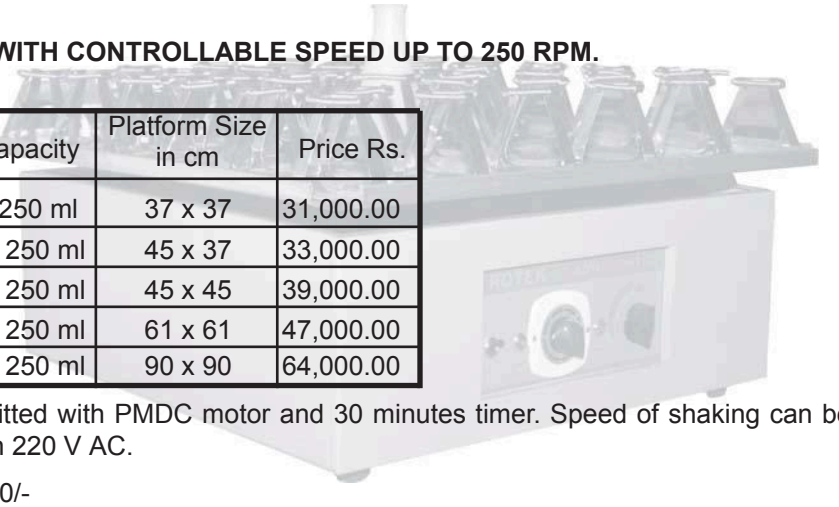
Cat No.	RPM	Timer	Price Rs.
RVD - R01	180 RPM	With 15-minute Timer	5,000.00
RVD - R02	100 RPM	With 15-minute Timer	5,000.00

ROTARY SHAKER

The orbital shaker is fitted with continuous duty AC motor, predetermined speed of shaking 180 RPM (approx.). Fitted with 30 minutes timer.

Cat No.	Platform Capacity	Platform Size in cm	Ordinary model.	With BLDC Motor & Drive
RRS - 01	9 flasks of 250 ml	37 x 37	25,000.00	38,500.00
RRS - 02	12 flasks of 250 ml	45 x 37	27,500.00	44,000.00
RRS - 03	16 flasks of 250 ml	45 x 45	34,000.00	48,000.00
RRS - 04	36 flasks of 250 ml	61 x 61	41,000.00	60,000.00
RRS - 05	64 flasks of 250 ml	90 x 90	59,400.00	74,000.00

ROTARY SHAKER WITH CONTROLLABLE SPEED UP TO 250 RPM.



Cat No.	Platform Capacity	Platform Size in cm	Price Rs.
RRS - 06	9 flasks of 250 ml	37 x 37	31,000.00
RRS - 07	12 flasks of 250 ml	45 x 37	33,000.00
RRS - 08	16 flasks of 250 ml	45 x 45	39,000.00
RRS - 09	36 flasks of 250 ml	61 x 61	47,000.00
RRS - 10	64 flasks of 250 ml	90 x 90	64,000.00

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

Cyclic Timer - Rs. 3,000/-

Digital display Timer and RPM indicator can be fitted with the above instrument at an extra cost of Rs. 6,000/-

KHAN SHAKER (Reciprocating Type)

Reciprocating action, forward and backward movement, available in two models, pre-determined speed shaker (150 strokes per minute) and controllable speed shaker. Tray with lotus clamp or rubber disc supporters can accommodate Erlenmeyer flasks and Tray with adjustable roller supporters can accommodate khan racks, bottle of different sizes, displacement approx. 40 mm. Various sizes are available.

Cat No.	Platform Capacity	Platform Size in cm	Price Rs.
RKS - 01	9 flasks of 250 ml	38 x 38	25,000.00
RKS - 02	12 flasks of 250 ml	38 x 50	27,500.00
RKS - 03	16 flasks of 250 ml	50 x 50	34,000.00

While placing the order please specify the platform requirement.

KHAN SHAKER WITH CONTROLLABLE SPEED

Cat No.	Platform Capacity	Platform Size in cm	Price Rs.
RKS - 04	9 flasks of 250 ml	38 x 38	31,000.00
RKS - 05	12 flasks of 250 ml	38 x 50	34,000.00
RKS - 06	16 flasks of 250 ml	50 x 50	39,000.00

While placing the order please specify the platform requirement.

GRIFFIN FLASK SHAKER (WRIST ACTION)

Heavy M.S. plate body, with 2 side arms with suitable clamps to hold flasks, continuous duty geared motor speed of shaking can be controlled. Fitted with 30-minute timer.



Cat No.	No. of flasks	Price Rs.
RGS - 01	Suitable to shake 4 flasks - up to 500 ml	25,000.00
RGS - 02	Suitable to shake 6 flasks - up to 500 ml	27,500.00
RGS - 03	Suitable to shake 8 flasks - up to 500 ml	30,000.00

TILTING SHAKER



Platform is made of stainless steel, been oscillated up and down with approximate 30 mm. displacement at the end. (Sea saw movement) controllable speed up to 85 strokes per minute.

Cat. No.	Platform size	Price Rs.
RTS - 01	20 x 27 cm	9,000.00

HOT PLATE (ROUND)

Aluminium / Cast iron hot plate mounted on powder coated M.S. sheet fabricated body, available with energy regulator and without energy regulator.

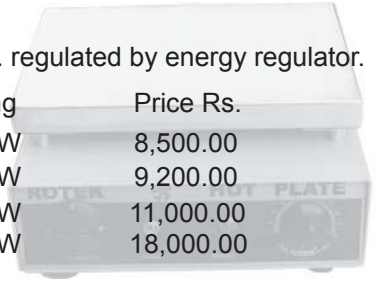


Cat. No.	Hot plate / diameter in CMS	Price Rs.	
		Without ER	With ER
RHP - 1C	Cast iron Top 20	2,800.00	3,100.00
RHP - 1 A	Alu. Top 20	4,600.00	5,300.00
RHP - 1S	S. S Top 20	6,200.00	6,600.00
RHP - 2 A	Alu. Top 25	5,600.00	6,000.00
RHP - 2S	S. S Top 25	6,600.00	7,100.00

Thermostat 50°C to 300°C (imported) can be provided on extra cost- Rs. 900/- (Accuracy +/- 5^0 C) Digital Temp: controller can be fitted at an extra cost of Rs. 6,000/- (Accuracy +/- 5^0 C)

HOT PLATE (RECTANGULAR)

M.S. powder coated body. Hot plate surface is fabricated with thick SS sheet. Temp. regulated by energy regulator.

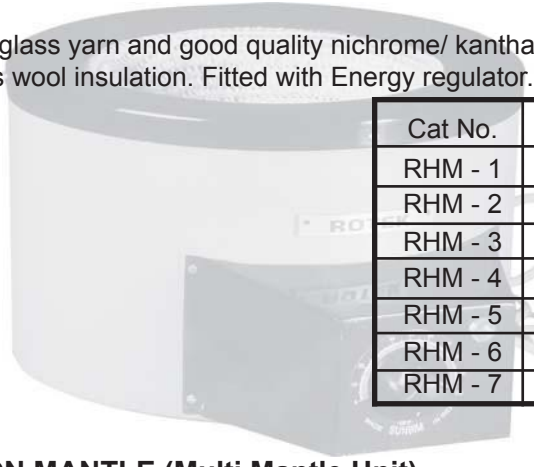


Cat. No.	Size of Hot Plate	Rating	Price Rs.
RHPR -1	25 x 30 CMS.	1.2 KW	8,500.00
RHPR -2	25 x 40 CMS.	1.6 KW	9,200.00
RHPR -3	30 x 45 CMS.	2.0 KW	11,000.00
RHPR-4	45 x 60 CMS	3.0 KW	18,000.00

Thermostat 50°C to 300°C (imported) can be provided on extra cost- Rs. 900/-

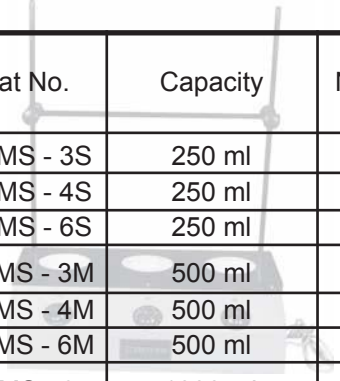
HEATING MANTLES

Mantle is made from fiber glass yarn and good quality nichrome/ kanthal wire element. Mounted in a powder coated Aluminium body with glass wool insulation. Fitted with Energy regulator.



Cat No.	Capacity of flasks	Watts	Price Rs.
RHM - 1	250 ml	120	3,000.00
RHM - 2	500 ml	200	3,300.00
RHM - 3	1 ltr.	300	3,400.00
RHM - 4	2 ltr.	500	3,700.00
RHM - 5	5 ltr.	800	5,500.00
RHM - 6	10 ltr.	1000	11,000.00
RHM - 7	20 ltr.	1500	17,500.00

SOXHELT EXTRACTION MANTLE (Multi Mantle Unit)



Cat No.	Capacity	No. of flasks	With individual Energy Regulator & Pilot lamp Price Rs.
RHMS - 3S	250 ml	3	7,700.00
RHMS - 4S	250 ml	4	10,000.00
RHMS - 6S	250 ml	6	13,000.00
RHMS - 3M	500 ml	3	9,000.00
RHMS - 4M	500 ml	4	12,000.00
RHMS - 6M	500 ml	6	16,000.00
RHMS - 3	1000 ml	3	10,500.00
RHMS - 4	1000 ml	4	14,000.00
RHMS - 6	1000 ml	6	18,000.00

Heating mantles arranged in a raw.

Housing is made with M.S. Sheet, duly powder coated, supplied with stand and adjustable
rod. Supplied without any glass parts.

LAB JACK



Screw type with worm gear housing, displacement maximum 85 mm, to carry up to 25 kgs.

Cat. No.	Price Rs.
RLJ - 01	5,000.00

DRY BLOCK DIGESTOR

Dry block digestors are suitable for Digestion, Boiling, and various industrial applications, heating block is made with cast aluminium alloy, suitable to work up to 400°C. Block provided with 24 no's holes with 28 mm diameter and 120 mm depth suitable to insert 25 mm diameter 200 mm long digestion tube. Heaters are placed in the base of the block. Block mounted on heavy M.S sheet frame, properly painted. Models available with thermostat up to 300° C and Digital Temp. controller with Digital Soak timer controller fitted for 400°C model.

Cat No.	Temp Range	Price Rs.	
		Thermostat	Digital
RDBD - 01	50°C to 300°C	23,000.00	
RDBD - 02	50°C to 400°C		30,000.00

U V INSPECTION CABINET

Cabinet made of mild steel sheet, duly powder coated, provided with inspection hole, useful for viewing TLC plate under UV light.

Cat No.	Description	Price Rs.
RUVIC - 01	Cabinet with one UV light long wave and one florescent tube	5,000.00
RUVIC - 02	Cabinet with dual UV light short wave 254 nm and long wave 365 nm and one fluorescent tube	6,500.00

ELECTRIC BUNSEN BURNER



Cat No.	Specifications	Price Rs.
RB - 01	without Energy Regulator	2,500.00
RB - 02	with Energy Regulator	3,200.00

Electrically operated S.S. Housing, Ceramic crucible for rapid heating. Temp: up to 600^0C models available with or without Energy regulator, watts 300

*Warranty of crucible and element is applicable for standard use only.

X-RAY FILM DRIER



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 hanger slots.

Cat. No.	Specifications	No of hanger slot.	Price Rs.
RXD-1	Single walled	16 nos.	10,500.00
RXD-2	Double walled	16 nos.	12,500.00

HOT AIR OVEN (BOTTOM HEATED)



Outer body made of M.S sheet, powder coated.
Inner Chamber choice of Aluminium / Stainless steel.
Temperature range Ambient +5^0 to 200^0C Accuracy: ± 1^0C at higher Temp:
Temperature controlled by: imported Hydraulic Thermostat / Digital Electronic Temperature controller and indicator. insulation: Glass wool 63 mm. thick.
Various models' available details are given below.
Outer body with stainless steel 304 quality sheet* with GMP standard *can be fabricated on extra cost. High Temp. range ovens can be supplied on extra cost

Hot Air Oven with thermostat (EGO German make)

Cat No.	internal Dimensions L W H in cm	No. of shelves	Watts	Capacity Approx. Ltr	Price Rs.	
					Inner Chamber AL	Inner Chamber S.S.
RHO - 12	30 x 30 x 30	2	1000	28	12,000.00	14,000.00
RHO - 14	35 x 35 x 35	2	1000	45	14,000.00	16,000.00
RHO - 18	45 x 45 x 45	2	1200	95	18,500.00	21 ,000.00
RHO - 18 H	45 x 45 x 60	3	1200	125	25,800.00	30,000.00
RHO - 24	60 x 60 x 60	3	1500	225	30,300.00	36,000.00
RHO - 24 SH	60 x 45 x 91	3	1800	250	36,300.00	42,500.00
RHO - 24 H	60 x 60 x 91	3	1800	325	46,700.00	52,500.00

Hot Air oven with Air circulation fan AC-TEFC motor coupled with aluminium centrifugal impeller and a chamber provided for air circulation. Rs. 4,000l-

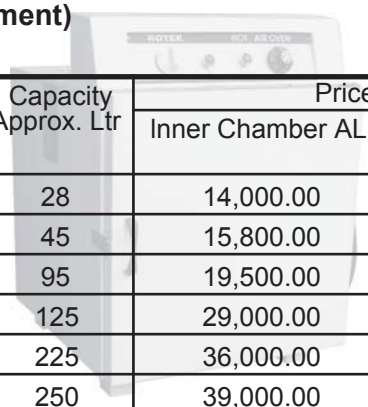
Hot Air oven with Digital Temp: controller and indicator (Microprocessor based) can be fitted at an extra cost. Rs. 6,000l-

Digital soak time timer can be supplied on extra cost. Rs. 2,000l-

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

Cat No.	internal Dimensions L W H in cm	No. of shelves	Watts	Capacity Approx. Ltr	Price Rs.	
					Inner Chamber AL	Inner Chamber S.S.
RHO - 12DF	30 x 30 x 30	2	1000	28	22,000.00	24,700.00
RHO - 14DF	35 x 35 x 35	2	1000	45	23,800.00	26,400.00
RHO - 18DF	45 x 45 x 45	2	1200	95	28,000.00	32,000.00
RHO -18HDF	45 x 45 x 60	3	1200	125	35,700.00	40,000.00
RHO - 24DF	60 x 60 x 60	3	1500	225	40,700.00	46,200.00
RHO-24SHDF	60 x 45 x 91	3	1800	250	46,700.00	53,300.00
RHO -24HDF	60 x 60 x 91	3	1800	325	56,600.00	63,000.00

Hot Air Oven Memmert Type (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	Watts	Capacity Approx. Ltr	Price Rs.	
					Inner Chamber AL	Inner Chamber S.S.
RHOM - 12	30 x 30 x 30	2	1000	28	14,000.00	17,000.00
RHOM - 14	35 x 35 x 35	2	1000	45	15,800.00	20,000.00
RHOM - 18	45 x 45 x 45	2	1200	95	19,500.00	24,000.00
RHOM -18H	45 x 45 x 60	3	1200	125	29,000.00	34,000.00
RHOM - 24	60 x 60 x 60	3	1500	225	36,000.00	39,800.00
RHOM-24SH	60 x 45 x 91	3	1800	250	39,000.00	46,000.00
RHOM -24H	60 x 60 x 91	3	1800	325	51,000.00	58,800.00

Memmert type Hot air oven with air circulation fan (AC TEFC motor coupled with centrifugal-aluminium impeller and a chamber provided for air circulation) Rs. 4,000l-

Memmert type Hot air oven with digital temp: Controller and indicator Rs. 6,000l-

Digital soak time timer can be supplied on extra cost. Rs. 2,000l-

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

Cat No.	internal Dimensions L W H in cm	No. of shelves	Watts	Capacity Approx. Ltr	Price Rs.	
					Inner Chamber AL	Inner Chamber S.S.
RHOM - 12DF	30 x 30 x 30	2	1000	28	23,800.00	26,900.00
RHOM - 14DF	35 x 35 x 35	2	1000	45	25,700.00	30,000.00
RHOM - 18DF	45 x 45 x 45	2	1200	95	29,400.00	34,000.00
RHOM -18HDF	45 x 45 x 60	3	1200	125	39,000.00	44,000.00
RHOM - 24DF	60 x 60 x 60	3	1500	225	46,500.00	50,200.00
RHOM-24SHD	60 x 45 x 91	3	1800	250	48,900.00	55,000.00
RHOM -24HDF	60 x 60 x 91	3	1800	325	62,100.00	69,300.00

VACUUM OVEN RECTANGULAR

Double walled construction, outer body made with M.S sheet duly powder coated or painted. inner chamber made of stainless steel 304 grade sheet of thick gauge to with stand vacant, provided with ceramic wool and glass wool insulation to avoid thermal loss. Temperature range 50°C. to 200° C. Temperature controlled by imported hydraulic thermostat accuracy +/- 2°C. digital temp: controller fitted model also available. Provided with valve and vacuum gauge. Suitable to works on 220V AC Supply. Maximum vacuum 760 mm of mercury.

Cat. No.	Inner Chamber Dimension	Watts	Price

Supplied without vacuum pump.

RVO-R-1	30 X 30 X 30	600	50,000.00
RVO-R -2	35 X 35 X 35	700	82,000.00
RVO-R-3	45 X 45 X 45	800	98,000.00
RVO-R-4	45 X 45 X 60	1000	130,000.00

VACUUM OVEN ROUND

Double walled construction, outer body made with M.S. sheet duly powder coated / painted. Inner chamber made of stainless steel, glass wool insulation, temperature range 50°C. to 150°C. Temperature controlled by imported hydraulic thermostat / digital temperature controller. Provided with valve and vacuum gauge, see through door with toughened glass. Suitable to work on 230 V AC. Supplied without vacuum pump. Maximum vacuum 760 mm of mercury.
Supplied without vacuum pump.

Cat. No.	Chamber Size	Watts	Price Rs.	
			Thermostat	Digital Controller
RVO - 9	22.5 cms dia x 30 cm depth	600	29,000.00	35,000.00
RVO - 12	30 cms dia x 38 cm depth	800	34,300.00	41,500.00
RVO - 15	38 cms dia x 45 cm depth	1000	55,000.00	61,000.00
RVO - 18	45 cms dia x 60 cm depth	1200	76,500.00	82,500.00
RVO - 20	50 cms dia x 60 cm depth	1250	87,000.00	93,500.00
RVO - 24	60 cms dia x 70 cm depth	1500	110,000.00	117,000.00

Micro-processor based programmable digital display temperature controller with temperature increment related to time with step for soak and ramp program can be supplied on extra cost - Rs. 20,000/-

Digital display vacuum indicator with vacuum transducer can be fitted with the unit at an extra cost - Rs. 20,000/-

BACTERIOLOGICAL INCUBATOR (BOTTOM HEATED)

Outer body made of M.S sheet, powder coated, Inner chamber choice of Aluminium or Stainless steel.
Temperature range ambient + 5ºC to 110ºC. Accuracy: ± 1ºC

Temperature Controlled by: imported Hydraulic Thermostat / Digital Display proportionate temperature controller.

Insulation: Glass wool 63 mm Thick. Provided with Inner plexiglass door.
Various models are available details and specifications are given below.
Outer body with stainless steel 304 quality sheet can be fabricated on extra cost.

Incubator with thermostat (EGO German make)

Cat No.	internal Dimensions L W H in cm	No. of shelves	Watts	Capacity Approx. Ltr	Price Rs.	
					Inner Chamber AL	Inner Chamber S.S.
RI - 12	30 x 30 x 30	2	300	28	12,000.00	14,800.00
RI - 14	35 x 35 x 35	2	300	45	14,000.00	16,500.00
RI - 18	45 x 45 x 45	2	300	95	18,300.00	22,000.00
RI - 18 H	45 x 45 x 60	3	300	125	25,800.00	30,000.00
RI - 24	60 x 60 x 60	3	400	225	30,300.00	36,300.00
RI - 24 SH	60 x 45 x 91	3	400	250	36,300.00	42,900.00
RI - 24 H	60 x 60 x 91	3	400	325	46,700.00	52,000.00

Incubator with air circulation fan (bottom heated)

AC TEFC motor coupled with centrifugal impeller and a chamber provided for air circulation - Rs. 4,000/-

Incubator (bottom heated) with digital display temperature controller and indicator (proportionate type) - Rs. 6,000l-

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

Cat No.	internal Dimensions L W H in cm	No. of shelves	Watts	Capacity Approx. Ltr	Price Rs.	
					Inner Chamber AL	Inner Chamber S.S.
RI - 12DF	30 x 30 x 30	2	300	28	22,000.00	24,500.00
RI - 14DF	35 x 35 x 35	2	300	45	23,800.00	26,400.00
RI - 18DF	45 x 45 x 45	2	300	95	28,000.00	31,900.00
RI -18HDF	45 x 45 x 60	3	300	125	35,500.00	39,500.00
RI - 24DF	60 x 60 x 60	3	400	225	40,700.00	46,000.00
RI-24SHDF	60 x 45 x 91	3	400	250	46,500.00	52,500.00
RI -24HDF	60 x 60 x 91	3	400	325	56,500.00	62,500.00

BACTERIOLOGICAL 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	Watts	Capacity Approx. Ltr	Price Rs.	
					Inner Chamber AL	Inner Chamber S.S.
RIM - 12	30 x 30 x 30	2	300	28	14,000.00	17,000.00
RIM - 14	35 x 35 x 35	2	300	45	15,800.00	20,200.00
RIM - 18	45 x 45 x 45	2	300	95	19,600.00	24,000.00
RIM -18H	45 x 45 x 60	3	300	125	29,000.00	34,000.00
RIM - 24	60 x 60 x 60	3	400	225	36,000.00	39,800.00
RIM-24SH	60 x 45 x 91	3	400	250	39,600.00	46,000.00
RIM -24H	60 x 60 x 91	3	400	325	51,000.00	58,800.00

Incubator - Memmert type with air circulation fan (AC. TEFC motor, coupled with aluminium impeller and a chamber provided for air circulation) - 4,000l-

Incubator - Memmert type with digital temperature controller and indicator (Microprocessor based-proportionate type) - Rs. 6,000l-

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

Cat No.	Internal Dimensions L W H in cm	No. of shelves	Watts	Capacity Approx. Ltr	Price Rs.	
					Inner Chamber AL	Inner Chamber S.S.
RIM - 12DF	30 x 30 x 30	2	300	28	23,800.00	26,900.00
RIM - 14DF	35 x 35 x 35	2	300	45	25,700.00	30,100.00
RIM - 18DF	45 x 45 x 45	2	300	95	29,400.00	34,000.00
RIM -18HDF	45 x 45 x 60	3	300	125	39,000.00	44,000.00
RIM - 24DF	60 x 60 x 60	3	400	225	46,500.00	50,200.00
RIM-24SHDF	60 x 45 x 91	3	400	250	48,900.00	55,000.00
RIM -24HDF	60 x 60 x 91	3	400	325	62,100.00	69,300.00

Note: - **Shelves Supplied with the above ovens and Incubators are S.S perforated.**

SEROLOGICAL WATER BATH - THERMOSTATIC

Double walled construction outer body made of M.S sheet, powder coated, inner body made of 304qualityS.S sheet. Glass wool insulation, fitted with 30^0C to 110^0 C imported Thermostat. Two types of lids are available. Suitable to work on 220 V AC supply.

Cat No.	Bath Size L W H in cm	Capacity	Watts	Price Rs.	
				Flat Lid	Pyramid Lid
RSW - 01	25 x 17.5 x 15	7 ltr.	750	6,600.00	7,300.00
RSW - 02	35 x 25 x 12.5	11 ltr.	1000	8,400.00	9,300.00
RSW - 03	30 x 25 x 17.5	14 ltr.	1500	9,200.00	9,900.00
RSW - 04	33 x 30 x 17.5 (Suitable for 4 racks)	18 ltr.	2000	10,100.00	11,000.00
RSW - 05	45.5 x 30 x 17.5 (Suitable for 6 racks)	25 ltr.	2000	11,600.00	12,600.00
RSW - 06	60.5 x 30 x 17.5 (Suitable for 8 racks)	33 ltr.	2000	14,000.00	15,000.00
RSW - 07	45.5 x 35 x 27.5	45 ltr.	3000	18,100.00	19,200.00

Supplied without thermometer and rack

Digital display temp: controller (proportionate) can be fitted with an extra cost Rs. 6,000.00

1/20 H.P. motor stirrer can be fitted with an extra cost Rs. 4,000.00

WATER BATH RECTANGULAR - THERMOSTATIC - (RING TYPE)

Double walled construction, outer body made of M.S sheet, powder coated, inner body made of S.S. 304 quality sheet glass wool insulation, fitted with 30^0C to 110^0 C imported Thermostat. Provided with concentric rings on hole dia of 75 MM Suitable to work on 220 V AC supply.

Cat No	Bath Size in cm	Capacity	Watts	No. holes	Price Rs.
RRW - 6	35 x 25 x 12.5	10 L	1500	6	9,900.00
RRW - 9	35 x 35 x 12.5	10 L	1500	9	11,000.00
RRW - 12	35.5 x 43 x 10	15 L	2000	12	12,600.00
RRW - 24	63 x 43 x 10	27 L	2000	24	16,000.00

Digital display temperature controller can be filled with an extra cost Rs. 6,000.00

PRECISION WATER BATH (DIGITAL TEMP: CONTROLLER AND STIRRER) (Constant Temp. Bath)

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

Cat No.	Internal Dimension in cm	Capacity	Watts	Price Rs.
RPW - 01	35 x 30 x 17.5	18L	1000	31,000.00
RPW - 02	40 x 30 x 20	24L	1000	33,000.00
RPW - 03	45 x 30 x 25	33L	1500	42,000.00
RPW-50	60X30X28	50L	4000	60,000.00

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, is 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, outer 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 by MCD (Microprocessor controlled digital display) temp: controller with audio visual alarm for low and high temperature fluctuation. Accuracy ± 0.5°C. Removable S.S tray with acrylic sheet separators to accommodate 12 plasma bags. Suitable to work on 220 V AC supply.

Cat No.	Capacity	Specification	Inner Dimensions in cm	Temp: Range	Price Rs.
RPTB - 01	40 lit	Cryo thawing	45 x 30 x 25	4ºC to 37ºC	76,600.00
RPTB - 02	40 lit	Thermo thawing	45 x 30 x 25	37ºC	52,800.00

VISCOMETER WATER BATH

Double walled construction outer body made of C R 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 and 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, Toughened glass window is provided in the front and back, and Viscometer holder Suitable to works on 220V AC Supply.

Cat. No.	Size	Watts	Price Rs.
RVW.01	35 X 30 X 20	1500	37,400.00

CRYOSTAT BATH (REFRIGERATED WATER BATH)

Double walled construction outer body made of Stainless steel, duly powder coated and Inner chamber made with 304 quality S.S sheet. PUF insulated. Temperature 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	Price Rs.
RUCB – 01	20 x 20 x 25	10 lit	0.75 KW	63,800.00
RUCB – 02	25 x 25 x 25	15 lit	1 KW	71,500.00
RUCB – 03	30 x 30 x 25	25 lit	1.5 KW	80,000.00
RUCB – 04	40 x 45 x 40	75 lit	1.5 KW	93,500.00

Ultra-Cryostat Bath with various models can be supplied on request.
The rate for those models available on request.

All the Refrigeration equipment should connect through a suitable quality stabilizer, otherwise the warranty will be invalid.

CHILLER BATH (REFRIGERATED WATER BATH with Circulation pump)

Cat No.	Inner dimensions of working space in cm	Capacity	Rating	Price Rs.
RCB –01	25 x 25 x 25	15lit	1 Kw	66,000.00
RCB -02	30 x 30 x 25	25lit	1.5 Kw	72,000.00
RCB -03	35 x 45 x 35	50lit	1.5 Kw	84,500.00

Double walled construction outer body made of G.I. sheet, duly powder coated and Inner chamber made with 304 quality S.S sheet. PUF insulated. Temp: range 5ºC to ambient, temp: controlled by MCD (microprocessor controlled digital display) temp: Controller, with in built time delay for compressor ON. Without heating, heating provision can be fitted on request. Fitted with submersible pump with low head, or external AC TEFC FHP motor pump for high head circulation. A drain valve is provided in the bottom. Refrigeration is obtained by hermetically sealed compressor with CFC free refrigerant.

WATER BATH SHAKER (Metabolic Shaking incubator)

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 30^0 C to 110^0 C imported hydraulic Thermostat / Digital temperature controller (proportionate) Supplied with S.S tray with lotus clamps. Driven by PMDC or BLDC motor having variable speed control up to 180 strokes / minutes. Suitable to work on 220 V AC supply.

Cat No.	Size of Bath in cm	Capacity	Flask Capacity	Price Rs.	
				Thermostat	Digital controller
RWBS - 1	28 x 30 x 17.5	15 lit.	9 flasks of 100 ml	31,900.00	37,400.00
RWBS - 2	35 x 30 x 17.5	20 lit.	12 flasks of 100 ml	34,100.00	40,000.00

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

6 flasks of 250 ml - Rs. 3,000.00
8 flasks 250 ml - Rs. 4,000.00

SINGLE WALL WATER BATH

S.S. Single walled with concentric rings on hole dia of 75 mm. I.S.I quality immersion type heater suitable to work on 220 V AC.

Cat No	Size of Bath in cm	Watts	Capacity	No. holes	Price Rs.
RWB - 01	30 x 25 x 10	1500	7.5 L	6	4,500.00
RWB - 02	30 x 30 x 10	1500	9 L	9	6,000.00
RWB - 03	40 x 30 x 10	2000	12 L	12	7,500.00

CYLINDRICAL WATER BATH (SINGLE WALLED) WITH CONCENTRIC RINGS

Cat. No.	Internal dimension. Dia.	Capacity	Watts	Price Rs.
RCW - 01	20 cm	2 ltr.	1500	4,400.00
RCW - 02	25 cm	5 ltr.	1500	5,700.00

RCW - 03	30 cm	10 ltr.	2000	7,000.00

S.S Single walled with concentric rings. I.S.I quality immersion type heater, suitable to work on 220 V AC.

Energy regulator can be fitted at an extra cost - Rs. 800/-
Thermostat can be fitted at an extra cost - Rs. 1,200/-

WAX BATH

Cat. No.	Internal dimension. Dia.	Capacity	Watts	Price Rs.
RWMB - 01	20 cm	2 ltr.	400	8,800.00
RWMB - 02	25 cm	5 ltr.	500	10,400.00

S.S double walled construction, embedded heating elements, Temp. controlled by thermostat, glass wool insulation, suitable for melting wax.

CYLINDRICAL WATER BATH (THERMOSTATIC)

Double walled construction, inside made of ss, outer made of M.S sheet powder coated, glass wool insulation, temp: controlled by imported thermostat. I.S.I quality immersion type heater, suitable to work on 220 V AC.

Cat. No.	Internal dimension Dia.	Capacity	Watts	Price Rs.
RCWD - 01	20 cm	2 ltr.	1500	7,700.00
RCWD - 02	25 cm	5 ltr.	1500	8,800.00
RCWD - 03	30 cm	10 ltr.	2000	9,900.00

OIL BATH

Double walled construction, Inner made of stainless steel, outer body made of mild steel, properly powder coated, glass wool insulation, temp: controlled by thermostat / Digital Temp: controller, temp: range up to 250 ^{0}C. S.S sheathed ISI quality elements are used for heating.

Oil Bath Round

Cat No.	Int. Dimension in cm	Capacity	Watts	Price Rs.
ROBC - 01	20	2 ltr.	1500	10,400.00
ROBC - 02	25	5 ltr.	1500	11,500.00
ROBC - 03	30	10 ltr.	2000	13,700.00

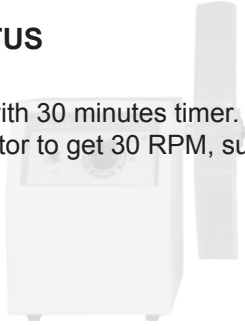
Oil Bath Rectangular

Cat No.	Int Dimension in cm	Capacity	Watts	Price Rs.
ROBR - 01	20 x 20 x17	2 ltr.	1500	13,200.00
ROBR - 02	25 x 25 x17	5 ltr.	1500	15,400.00
ROBR - 03	30 x 30 x17	10 ltr.	2000	20,300.00

Digital Temp: controller can be fitted at an extra cost Rs. 6,000/-
AC TEFC motor with stirring shaft can be supplied at an extra cost Rs. 6,000/-

TABLET FRIABILITY TEST APPARATTUS

To determine the durability of tablets, fitted with 30 minutes timer. Transparent acrylic drum of 30 cm dia, provided with curved blade. Equipped with geared motor to get 30 RPM, suitable to work on 220 V AC supply.



Cat No.	Description	Price Rs.
RFT - 01	Unit with one drum	17,600.00
RFT - 02	Unit with two drums	20,300.00

TABLET DISINTEGRATION TEST APPARATTUS

Cat No.	Description	Price Rs.
RDT - 01	Unit with single jar	26,400.00

TISSUE FLOATATION BATH

Made of Aluminium anodized or powder coated body, inner made out of single piece, temp: range upto 90 ^{0}C, fitted with Hydraulic Thermostat (imported). Suitable to work on 220 V AC supply.



Cat No.	Dia x Depth	Description	Price Rs.
RTB - 02	200 x 75 mm	Thermostatic	7,500.00

Digital display Temp. controller can be fitted on request at an extra cost of Rs. 6,000/-

PARAFFIN WAX DISPENSOR – Manual valve type thermostatic

Cat No.	Description	Prices.
RPWD - 01	2 Ltr capacity	17,600.00
RPWD - 02	5 Ltr capacity	21,500.00

Automatic Digital temp: controller with Solenoid valve and foot operated flow switch can be incorporated in the above at an extra cost of Rs. 24,000/-

PARAFFINIC BATH

Fully made of stainless steel, outer body made of stain 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 and 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 and indicator and drain cock for the baths. The unit is fitted on a trolley with castor wheels with breaks. Suitable to work on 220 V AC Supply.

Cat. No.	No. of	Watts	Capacity	Inner Dimension	Price Rs.
RPB.01	Single	1200	20 ltr.	30 x 30 x 25 cm	33,000.00
RPB.02	Double	2400	20+20 ltr.	30 x 30 x 25 cm x 2	52,800.00

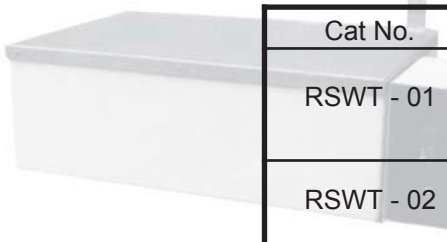
PARAFFIN EMBEDDING BATH

Double walled, inner chamber made of S.S.304 quality sheet. Thermostatic temp: control, 6 holes to accommodate 65 mm dia Stainless steel / chromium plated copper pots with handle and provided 2 holes of 30 mm dia to insert tubes.

Cat No.	Description	Dimensions	Price Rs.
RPEB - 01	Stainless Steel pots	35 x 25 x 15 mm	10,000.00
RPEB - 02	Copper pots	375 x 300 x 150 mm	14,500.00

SLIDE WARMING TABLE (THERMOSTATIC)

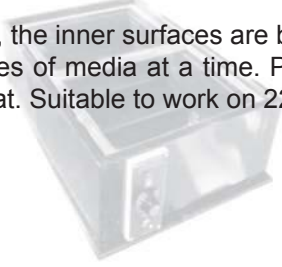
Double walled construction, table top model, Top surface made with choice of Aluminium, S.S, or copper sheet.



Cat No.	Dimensions	Rating	Description	Price Rs.
RSWT - 01	45 x 30 x 15 cm	(500 watts)	Top Al sheet	9,000.00
			Top S.S. sheet	11,500.00
			Top Copper sheet	14,500.00
RSWT - 02	60 x 45 x 15 cm	(1000 watts)	Top Al sheet	10,000.00
			Top S.S. sheet	12,600.00
			Top Copper sheet	16,000.00

INSPISATOR

The water jacket is made of copper sheet, housed in a wooden box, the inner surfaces are black epoxy coated and topped with blanket, the inner chamber can accommodate 100 tubes of media at a time. Provision for water inlet, outlet and over flow Temperature is controlled by imported thermostat. Suitable to work on 220 V AC supply.



Cat No.	Price Rs.
RIN - 1	23,000.00

SLIDE VIEWING BOX



Cat No.	Price Rs.
RSV - 01	3,800.00

Tilting model, agglutination viewing box, topped with translucent acrylic sheet. Suitable to work on 220 V AC supply. Provided with LED light to reduce the power consumption.

WATER STILL (WALL MOUNTING - Manesty Type)

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



Cat No.	Approx.: Capacity /hr.	Watts	Price Rs.	Price Rs. (Detachable condenser)
RWS - 2	2 ltr.	1500	6,600.00	7,000.00
RWS - 4	4 ltr.	3000	7,700.00	8,000.00
RWS - 6	6 ltr.	4000	9,900.00	10,500.00
RWS - 8	8 ltr.	6000	13,700.00	14,500.00
RWS - 10	10 ltr.	8000	15,400.00	16,500.00

Cat No.	Approx.: Capacity /hr.	Watts	Price Rs. (Table top)
RWS - 2 TT	2 ltr.	1500	16,000.00
RWS - 4 TT	4 ltr.	3000	20,000.00
RWS - 6 TT	6 ltr.	4000	22,000.00
RWS - 8 TT	8 ltr.	6000	26,000.00
RWS - 10 TT	10 ltr.	8000	29,000.00

WATER STILL (TABLE TOP Barnstead type)

Heavy duty model with SS 304 quality material Argon welded.

Automatic water level cut off system can be supplied at an extra cost. 2 l 4 ltr. Rs. 3,000l- 6l8l10 ltr. Rs. 4,000l-
Installation of the water still on site will be charged extra Rs.1,200l-
To safe guard the heating element thermostatic cut off model also available - Rs. 1,400l- (2l4) Rs. 2,200l- (6, 8 & 10)

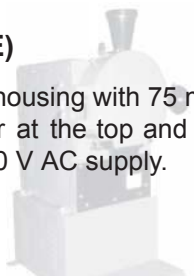
PLANT SAMPLE GRINDER

Cat No.	Capacity	Price Rs.
RPSG - 1	1.5 ltr.	40,700.00

Heavy duty mixie type construction. Base made with sturdy M.S plate, properly painted, grinding jar made of stainless steel, grinding blades made with high carbon steel material. Driven by 1.5 HP AC TEFC motor single phase. Coupled with V-belt, suitable to grind wood, roots, leaf, nuts, seeds of plant.

LABORATORY GRINDER (WILLY MILL TYPE)

Heavy duty construction. Pulverizer model grinder, housing with 75 mm dia and 45 mm depth, with 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 in 230 V AC supply.



Cat No.	Grinder size	Price
RGP - 01	75 x 45 mm	41,800.00

ROLLER POT MILL

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 in 230 V AC supply.

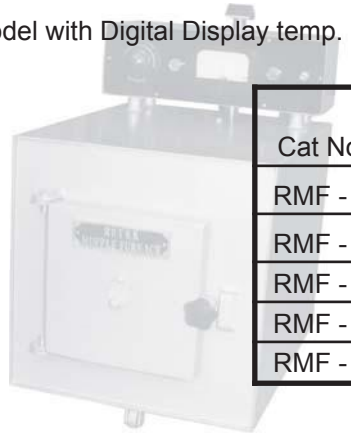
S.S. pots and ceramic grinding balls can be supplied on extra cost.

Cat No.	Watts	RPM	Price
RRPM - 01	200	70	39,600.00

MUFFLE FURNACE

Light weight construction, insulated with ceramic wool to reduce heat loss and weight. Maximum temperature 1000^{0}C working temp: 900 ^{0}C, controlled by Energy Regulator, fitted with Thermocouple, pyrometer Analog type. Provided with thermal fuse on specific request.

Model with Digital Display temp. controller and indicator is also available.



Cat No.	Internal dimension in cm	Kilo watts	Price Rs	
			Energy regulator	Digit : controller
RMF - 1	10 x 10 x 22	1.5	20,000.00	25,000.00
RMF - 2	12 x 12 x 25	2.0	24,000.00	29,000.00
RMF - 3	15 x 15 x 22	2.5	29,000.00	34,000.00
RMF - 4	15 x 15 x 30	3.0	33,000.00	38,000.00
RMF - 5	20 x 20 x 30	4.0	44,000.00	49,000.00

HIGH TEMPERATURE MUFFLE FURNACE

High temperature muffle furnace with maximum temperature 1150°C, working temperature 1100°C.Smaller size muffle concealed type and bigger size muffle fabricated with grooved refractory, open element type.

Cat No.	Internal dimension in cm	Kilo watts	Price Rs
			Digital controller
RMFH - 1	10 x 10 x 22	1.5	36,000.00
RMFH - 2	12 x 12 x 25	2.0	41,000.00
RMFH - 3	15 x 15 x 22	3.0	50,000.00
RMFH - 4	15 x 15 x 30	3.5	55,000.00
RMFH - 5	20 x 20 x 30	5.0	65,000.00

Micro-processor based programmable digital display temp. controller with temp. increment related to time with step for soak and ramp can be supplied on extra cost Rs. 20,000/-

High temperature muffle furnace upto 1360°C can be supplied on request.

High temperature muffle furnace of 1400°C working temperature upto 1360°C with silicon carbide heating element connected with thyristor controlled programmable power supply. Various models available. Chamber made of zirconium board; heating element made with silicon carbide grooved rod. Outer body made of thick gauge CR sheet duly power coated, insulation with high grade ceramic blanket.

Cat No.	Internal dimension in cm	Kilo watts	Price Rs
			Digital controller
RMFVH - 1	10 x 10 x 22	1.5	1,65,000.00
RMFVH - 2	12 x 12 x 25	2.0	1,76,000.00
RMFVH - 3	15 x 15 x 22	3.0	1,98,000.00
RMFVH - 4	15 x 15 x 30	3.5	2,20,000.00
RMFVH - 5	20 x 20 x 30	5.0	2,50,000.00

Special size furnace can be fabricated and supplied on request.

Price available on request.

DEPTH SAMPLER

Suitable to collect water samples from desired depth. The sample collection container is made of transparent acrylic tube, supplied with 15-meter rope and pulley. Messenger is made with M.S. and galvanized.



Cat No.	Capacity	Price Rs.
RDS - 1	2 ltr.	15,500.00

GRAB SAMPLER

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



Cat. No.	Price Rs.
RSG - 1	15,800.00

RIBBON BLENDER

The blender chamber made of stainless steel 304 quality sheet. Horizontal Unit driven by AC 2HP/3HP 415V motor coupled with heavy duty worm type gear box. Entire unit is fitted on a sturdy MSC channel frame. Supplied with electrical fittings and DOL starters.

Cat. No.	Motor	Capacity	Rate Rs.
RRB-01	2 HP	40 Kg.	192,500.00
RRB-02	3 HP	50 Kg.	220,000.00

INDUSTRIAL OVEN

Double walled construction, Inner & Outer made of mild steel, properly painted. Glass wool insulation, Temperature up to 200^0 C $\pm$ 5ºC Controlled by imported hydraulic Thermostat or Digital temp: controller. Provided with an air circulation fan. Supply 415 V AC. 50 Hz.

Cat No.	Internal Dimensions in cm	Price Rs.



RHOI - 332	91 x 91 x 60	135,000.00
RHOI - 333	91 x 91 x 91	150,000.00
RHOI - 343	91 x 121 x 91	200,000.00
RHOI - 355	91 x 152 x 152	250,000.00
RHOI - 357	91 x 152 x 214	270,000.00
RHOI - 366	91 x 182 x 182	300,000.00
RHOI - 467	121 x 182 x 214	450,000.00
RHOI - 568	152 x 182 x 245	500,000.00

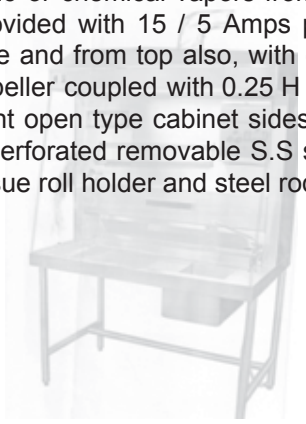
Sizes of Standard models are given below, different size of ovens can be made with the specifications and requirement of the customer.

Digital Display temp: Controller at extra cost Rs. 6,000/-

We undertake the manufacturing of Special Purpose. Ovens / Driers with specific constructional details, dimensions and temperature range etc. available with electrical heaters and diesel fired heat generators.

GROSSING STATION

Grossing station is designed to use in the Histopathology labs to protect the personnel and equipment by removing toxic or chemical vapors from the work area. The hood is fully fabricated with stainless steel sheet of 304 quality. Provided with 15 / 5 Amps power points, diffused fluorescent tube/ LED light, Air suction possible from the table side and from top also, with exhaust blower, The exhaust system consists of a dynamically balanced epoxy coated impeller coupled with 0.25 H P motor. (In line blower) Low noise level below 65 dB, and minimal vibration level. The front open type cabinet sides are paneled with toughened glass. S.S sink provided in the right side and topped with a perforated removable S.S shield, C P water tap long stem type and one flexible faucet also provided. Towel rode, tissue roll holder and steel rode for hanger holding also provided. Also equipped with disintegrator extractor



Cat. No.	Working table size In cm	Approx. external dimension in cm	Slab Top Price Rs.
RG C S – 32	90 x 60 x 60	96 x 70 x 220	160,000-00
RG C S – 42	120 x 60 x 60	126 x 70 x 220	180,000-00

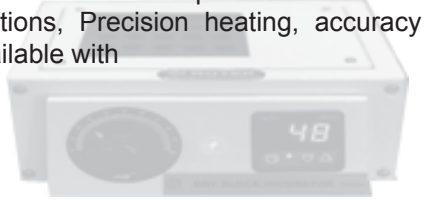
NEEDLE DESTROYER

Portable, compact powder coated body, easy to operate, double slots, one slot for needle burning by electrical with hi volt DC transformer, other slot for syringe cutting by manual liver operation, collection tray in the bottom, provided with ON/OFF switch.

Cat. No.	Price Rs.
RND-1	1,600.00

DRY BATH INCUBATOR (without Digital display)

Dry bath incubator with wells to hold tube, Made with Aluminum block suitable for 12 mm dia tubes Retain the temp: for long time in the event of power failure Low energy consumption and fixed mode of setting with 37ºC. Hassles free operations, Precision heating, accuracy +/- 0.3ºC Micro controller-based LED display, Different capacity models available with



Cat. No.	No. of Wells	Price Rs.
RDI -24	24 wells	4,400.00
RDI-40	40 wells	6,600.00

DRY BATH INCUBATOR

With Digital indicator type, 37ºC same as above but with digital temperature indicator

Cat. No.	No. of Wells	Price Rs.
RDI-24D	24 wells	5,800.00
RDI-40D	40 wells	8,300.00

DRY BATH INCUBATOR

This is a compact unit with programmable digital temperature controller, (Microprocessor based) Temperature can be set from Ambient + 3 ºC to 90 ºC uniform temp: distribution and low energy consumption varies models available.

Cat. No.	No. of Wells	Price Rs.
RDID-1	20 wells	12,500.00
RDID-2	36 wells	15,000.00

P C R WORK STATION

Fully made of stainless steel, sturdy construction, work table top made of heavy gauge SS sheet with rounded corners, mounted on caster wheels with brake, sides are paneled with toughened glass, front with polycarbonate foldable door, with air flow from the top fan unit, fitted with LED tube and UV tube for sterilization

Cat. No.	Work Area	Price Rs.
RPCR-1	100 x 60 x 70 cms	75,000.00

P C R WORK STATION with HEPA Filter

Same as above with HEPA filter provided on the top and obtain a laminar vertical air flow down wards. Provides ultra-clean air in the PCR work area.

Cat. No.	Work Area	Price Rs.
RPCR-2	100 x 60 x 70 cms	99,000.00

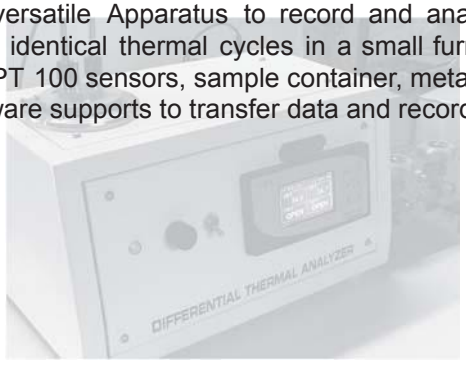
BLOOD ROLLER MIXER

Light weight unit, tubes rolling with co axial eccentric motion occurred Roller size 4 no's, 230 mm length RPM 30 – 35 Mixing time 15- 20 minutes

Cat. No.	Price Rs.
RBRM-1	4,500.00

DIFFERENTIAL THERMAL ANALYSER

This is a versatile Apparatus to record and analyze exothermic relative temperature Difference between samples kept in identical thermal cycles in a small furnace with inert gas supply port. This apparatus consists of sample holder, PT 100 sensors, sample container, metallic block furnace. Temp. Controller and programmable data logger with software supports to transfer data and record the temp: and time to a P.C or Pen drive.



Cat No.	Price Rs.
RDTA – 01	78,000.00

U V PHOTO REACTOR

A suitable instrument for research in Photo Chemistry, Photo Biology and Organic Chemistry.

Cat. No.	Inner Chamber	Price Rs.
RUPR -01	50 x 50 x 50 cms	66,000.00

Double walled cabinet, outer body made of CRCA sheet, properly powder coated, inner chamber made of Stainless-steel sheet of 304 quality, Top and two sides of the inner chamber is fitted with 16 no's of U V tubes of different wavelength and fluorescent tubes as per request, separate switches provided for different sets of tubes, one air circulation fan provided in the chamber with on /off switch. The unit is equipped with digital temp: controller, digital cyclic timer, pot for gas connection, exhaust air vent out, hour meter, Door of the unit is incorporated with safety limit switch to put off the entire lights Off at the time of opening.

AQUA PRESS

Aqua press is a high-capacity hydraulic pressure curing unit designed to use for self-curing resins. This device fully made of High-quality Stainless steel is widely used in the dental industry.

- Maintenance free and easy to use.
- Water filled pot can hold pressure for long periods.

Cat No.	Price
RAP	14,000

BOTTLE ROLLER

Bottle roller of 45 cm length with 3 rollers this device is suitable to roll six standard bottles, this is also equipped with rubber rollers and drums, BLDC motor with an RPM range of 10-150, Digital display, indicator and timer

Cat No.	Price
RBR	72,000

MAINTENANCE AND CLEANING

- Periodic maintenance and cleaning to be carried out properly at regular intervals for each instrument.

- Necessary parts to be checked and if necessary, replaced or maintained at regular intervals to avoid risk in operations and to prevent complaints and errors.
  (Carbon brushes of centrifuge, Indicators, switches, safety valves of autoclaves, water level cut of system of autoclaves, humidity chambers etc.…)

- External cleaning and de-dusting are also necessary to maintain the external appearance of the equipment,
  For that clean the surface with mild detergent cleaner and wipe with soft cloth.

- Under no circumstances solutions or chemicals be allowed to enter in to the electrical or electronic circuits or packages.

TERMS & CONDITIONS

1. All prices and terms of supply are Ex. factory Vengola and subject to Cochin jurisdiction only.
2. Price do not include GST, freight insurance and delivery charge to client's place. On request we can arrange for "All Transit Risk Insurance" at customer's cost.
3. We reserve the right to change the design; specifications and prices without prior notice.
4. All our electrical equipment's are suitable for use on 230 Volts. 50 Hz A C single phases supply, unless otherwise specified.
5. All our equipment's are warranted for a period of twelve months from the date of supply. Complaints arising out of mishandling resulting from accidents, attempted repairs and general wear and tear do not cover this guarantee.

   (Consumables and immersion heating elements/other heating devices do not cover under this warranty.)
6. Refrigerated Equipment should relate to good quality Suitable range Stabilizer. Otherwise, we are not liable for warranty the equipment.
7. All the previous price lists are cancelled.
8. Taxes and Government levies will be charged as applicable.