

**APS-101 : AUTOCLAVE VERTICAL**

It is used for sterilization under saturated steam pressure at any selected point between 5 to 20 p.s.i. (Optional adjustable with pressure control switch). These are double walled units with inner chamber (Boiler) made of 18 S.W.G. stainless steel and outer chamber is covered with M.S Lid is tightened by radial locking system. Fitted with neoprene rubber gasket, all systems are hydraulically tested up to 40 p.s.i., as a safety measure. All autoclaves are fitted with standard accessories such as water level indicator, pressure gauge, , steam release cock, spring loaded safety valve and heating element. Supplied complete with S.S. basket, cord and plug to work on 220/230 volts A.C. Supply. ALL DELUXE MODELS besides being fitted with STAINLESS STEEL/LID and having inner chamber made of s.s. and outer chamber stainless steel, are also fitted with VACUUM BREAKER as a SAFETY DEVICE. Provided with digital microprocessor based system for setting temperature, purge time, exhaust time etc. Autoclave is controlled with the settings on this controller.



DIMENSIONS	OUTER M.S.	DELUXE S.S.
(a) 250x450 m.m.(10"X18")	36400.00	56400.00
(b) 300x500 m.m.(12"X20")	48680.00	80100.00
(c) 350x550 m.m.(14"X22")	57200.00	83800.00
(d) 450x600 m.m.(18"X24")	85500.00	131000.00
(e) 550x750 m.m. (22"X30")	96200.00	147500.00
OPTIONAL ACCESSORIES:	PRICE (INR)	
(A) AUTOMATIC INDFOSS PIEZOSTAT	7000.00	
(B) Automatic low water level cut-off device	4200.00	
(C) Automatic 0-60 minutes "GERMAN " Timer	1800.00	
(D) Digital Temperature Display	5500.00	
(E) Digital programmable graphic LCD Controller cum display	10000.00	

**APS-102: AUTOCLAVE HORIZONTAL (TRIPLE WALLED) (CYLINDRICAL)**

Construction: Triple walled construction inner chamber is made of high grade stainless steel sheet of SS-304 grade. The outer body is also made of thick stainless steel sheet. The boiler is made of S. Steel. The lid is made of thick steel sheet plate. The unit is duly fitted with highly efficient M.S. Painted Ring & radial locking system duly chrome plated. A three way valve or a multi port Valve made of stainless steel is installed for controlling the sterilization cycle. The pressure is adjustable from 5 psi to 20 psi; pressure is controlled by automatic pressure control switch. Fitted with water level indicator and vacuum breaker. The unit is fitted with temperature gauge, vacuum breaker and steam trap. The whole unit is mounted on a robust tubular stand made of MS duly painted with attractive stove enamel.



DIMENSIONS	PRICE (INR)
(A) 400 x 600 mm (16X24)	343000.00
(B) 400 x 1100 mm(16X44)	400400.00
(C) 500 x 900 mm (20X36)	446000.00
(D) 500 x 1200 mm (20X48)	528000.00
OPTIONAL ACCESSORIES:	PRICE (INR)
(A) AUTOMATIC INDFOSS PIEZOSTAT	7000.00
(B) Automatic low water level cut-off device	4200.00



(C) Automatic 0-60 minutes "GERMAN " Timer	1800.00	
(D) Digital Temperature Display	5500.00	
(E) Digital programmable LCD Controller cum display	10000.00	

**APS-103 : B.O.D. INCUBATOR**

Most versatile for Biochemical Oxygen Demand determinations. Castor wheel mounted cabinet is double walled with inner chamber S.S. and outer wall of M.S. Sheet duly powder coated. Triple walled back of the unit is fitted with two air circulation fans for maintaining temperature uniformity throughout the chamber; Fully view inner glass/Acrylic door permits inspection of specimens, without disturbing the same. Lock and key arrangement is provided in the double walled outer door. Unit is fitted with door operated illumination lamp inside the chamber. Refrigeration unit is formed by ISI marked compressor, The front panel is provided with separate indicator lamps for main, heating and incoming voltage. Supplied complete with 3 shelves, cord and plug to work on 220/230 A.C. supply. Temperature From 5°C to 80°C is controlled by MICRO PROCESSOR ELECTRONIC DIGITAL TEMPERATURE INDICATOR-CUM-CONTROLLER (PID) with an accuracy of ±0.5°C.

Puff Insulation  
 Graphic LCD display (Blue Screen) with thee facility of password protection  
 PC connectivity (RS232 Port) as an optional Feature



DIMENSIONS	M.S.	S.S.
(A) 45 5 x 610 x 410 m.m (18"x24"x16")	95300.00	98300.00
(B) 50 5 x 830 x 415 m.m. (20"x34"x17")	99700.00	102700.00
(C) 570 x 875 x 550 m.m. (23"x35"x22")	124400.00	127400.00
(D) 650 x 900 x 550 m.m. (26"x36"x22")	134000.00	137000.00
OPTIONAL ACCESSORIES:	PRICE (INR)	
(A) Interior illumination with 3nos.flourscent tubes (temp. 10° to50°c)	8400.00	
(B) Automatic Voltage Stabilizer 3KVA. (TRIPLE RELAY)	8400.00	
(C) Digital programmable GLCD Controller cum display	10000.00	

**APS-104 : BACTERIOLOGICAL INCUBATOR**

These are sturdy double walled units with outer chamber made of M.S. sheet duly powder coated / Painted inner made up of anodized aluminum or S.S sheet. Beaded heating elements are placed in ribs, at bottom and sides. Inner chamber is provided with ribs for adjusting perforated selves to convenient height. The door is fitted with glass viewing window to facilitate inspection of sample without disturbing the test temperature. MICRO PROCESSOR ELECTRONIC DIGITAL TEMPERATURE INDICATOR-CUM-CONTROLLER (PID) from ambient to 90°C with an accuracy of ±0.5°C.An L- shaped prismatic thermometer is fitted to unit for reading the chamber temperature. Air ventilators are also provided on the sides of unit. To work on 220/230 volts A.C. supply.

Puff Insulation, system is provided with air circulation fan  
 Graphic LCD display (Blue Screen) with the facility of password protection



DIMENSIONS	M.S.	S.S.
(A) 300 x 300 x 300 m.m.	14200.00	21200.00
(B) 355 x 355 x 355 m.m.	16300.00	23300.00

(C) 455 x 455 x 455 m.m.	19700.00	26700.00
(D) 455 x 455 x 605 m.m.	25800.00	32800.00
(E) 605 x 605 x 605 m.m.	32200.00	39200.00
(F) 605 x 455 x 910 m.m.	38500.00	45500.00
(G) 605 x 605 x 910 m.m.	46700.00	53700.00
<b>OPTIONAL ACCESSORIES:</b>		<b>PRICE (INR)</b>
(A) Digital programmable GLCD Controller cum display		10000.00

### APS-105 : EGG INCUBATOR

Outer wall is made up of M.S. sheet duly painted and inside of S.S. Temp. Range from ambient to 70°C is controlled by digital temperature indicator cum controller an accuracy of  $\pm 0.5^\circ$  C. The unit is provided with manual tilting device, so as to tilt the tray holding the eggs. To work on 220, 230 volts A.C. supply.

Puff Insulation

Graphic LCD display (Blue Screen) with the facility of password protection (OPTIONAL)



<b>CAPACITY</b>	<b>PRICE (INR)</b>
50-250 eggs	151000.00
<b>OPTIONAL ACCESSORIES:</b>	
Digital programmable Graphic LCD Controller cum display	10000.00

### APS-106: MUFFLE FURNACE RECTANGULAR

Light weight with ceramic fiber wool insulation (instead of Brick insulation). The outer casing is made of double walled thick P.C.R.C. sheet, duly powder coated. Heating elements are made of KANTHAL "A-1" wire and backed by high temperature insulation, which avoids loss of energy. Temperature control unit consists of Energy Regulator, fitted in front of furnace with two pilot lamps. The apparatus is complete with one pyrometer, thermocouple, silver thermal fuse, main lead with power plug. To work on 220/230 volts or 400/440 volts A.C. Maximum Temp. is 1000°C and working temp. 950°C. For model of higher temperature the maximum temp. is 1200°C, 1450°C and working temp. 1150°C & 1400°C



DIMENSIONS	950°C	1150°C	1450°C
(A) 100 x 100 x 225 m.m.	14400.00	25600.00	99000.00
(B) 125 x 125 x 250 m.m.	14200.00	29800.00	125000.00
(C) 150 x 150 x 300 m.m.	21000.00	34000.00	146000.00
(D) 200 x 200 x 300 m.m.	26200.00	43800.00	167000.00
(E) 300 x 300 x 300 m.m.	59900.00	68300.00	251000.00
<b>OPTIONAL ACCESSORIES:</b>			
(A) Digital Temperature Indicator-cum-Controller extra. For 950°C (PID controller)			8400.00
(B) Digital programmable Graphic LCD Controller cum display			10000.00

**APS-107: CIRCULATING WATER BATH**

A highly in demand instrument where water is required to be circulated to some external source through an F.H.P. pump. Most useful for circulating water to Abbe Refractometer, condenser coils etc. Temperature from 5°C to 80°C is controlled by digital temperature indicator cum controller with an accuracy of ± 0.5°C. Inner chamber made of S.S. and outer chamber made of M.S. Sheet duly powder coated. Inside bath size 8" x 9" x 10½" with a cover at side of size: 10"x7" approx. To work on 220/230 Volts



DIMENSIONS	From 5°C to 80°C	From 37°C to 80°C
(A) 10 L	57000.00	32000.00
(B) 12L	62000.00	37000.00
(C) 14L	70000.00	45000.00
(D) 21L	77000.00	52000.00
<b>OPTIONAL ACCESSORIES:</b>		
Programmable Graphic LCD Controller cum display (PID)		10000.00

**APS-108: SEROLOGICAL WATER BATH**

These units are double walled with inner chamber made up of S.S. sheet and outside of M.S. duly powder coated. The gap between the walls is filled puff insulation in order to avoid thermal losses. A drain plug is also fitted to the unit. The inner chamber fitted with immersion type heating element is covered with perforated removable diffuser tray. The cover is provided with the unit as a standard accessory. Temperature from 5°C to 80°C is controlled digital indicator cum controller with an accuracy of ±0.5°C. Supplied complete with 220/230 volts A.C. supply.



DIMENSIONS	From 5°C to 80°C	From 37°C to 80°C
300 x 250 x 175 m.m. (for 2 racks)	57000.00	37000.00
330 x 300 x 175 m.m. (for 4 racks)	64000.00	45000.00
455 x 300 x 175 m.m. (for 6 racks)	69000.00	49000.00
605 x 300 x 175 m.m. (for 8 racks)	73000.00	53000.00
<b>OPTIONAL ACCESSORIES:</b>		
(A) Stirring arrangement with 1/20 HP motor & speed regulator		10000.00
(B) Programmable Graphic LCD Controller cum display (PID)		10000.00

**APS-109: ORBITAL INCUBATOR SHAKER**

Double walled construction. Outer body made of Mild Steel duly Powder Coated for longer durability. Inner chamber made of Stainless Steel with ribs to hold trays. Shaking platform also made of S. Steel accommodate 16 Flask of 500 ml. capacity. Temperature controlled by Digital Temp. Controller cum Indicator from 5 to 80°C, with an accuracy of ± 0.5 °C or Better. Temperature below ambient is maintained by a hermetically sealed compressor with complete unit placed beneath the chamber. Shaking speed can be controlled by digital Speed Regulator. A Stainless steel perforated tray is also provided for the use of upper portion of the chamber as a simple B.O.D. Incubator. An illumination lamp is also provided inside the chamber. Suitable to work on 220 /230 V, 50 Hz.Single Phase AC supply.



DIMENSIONS	From 5°C to 80°C	From 37°C to 80°C
(A) 455 X 610 X 400 mm (4 QB FT)	93000.00	70000.00

(B) 505 X 830 X 415 mm (6 QB FT )	110000.00	78000.00	
(C) 570 X 875 X 550 mm (10 QB FT)	140000.00	93000.00	
<b>OPTIONAL ACCESSORIES:</b>			
(A) Programmable Timer.		7000.00	
(B) Illumination with 4 numbers of 60 cm. Fluorescent tubes.		4900.00	
(C) Spare platform to accommodate other capacity of flask		6300.00	
(D) Voltage Stabilizer (Blue Bird)		7000.00	
(E) Programmable Graphic LCD Controller cum display		10000.00	

**APS-110: WATER BATH INCUBATOR SHAKER (METABOLIC SHAKING INCUBATOR)**

It is a double walled unit with inside made of thick S.S. sheet and outer made of M.S. Steel duly powder coated prevents falling of condensed water droplets on the specimens. Heating is achieved through a immersion type heater and the temperature is controlled by digital temperature controller with an accuracy of  $\pm 0.5^{\circ}\text{C}$ . The bath has an oscillating tray riding on ball rollers oscillated through a geared variable speed motor. Shaking speed range is between 20-150 (can be change on request) cycles per minute. The shaking tray can either hold test tubes or Erlenmeyer flasks of 25 ml or 50 ml or 100 ml or 250 ml or 1000 ml. as ordered by the users. (Kindly mentioned the capacity of the flasks while ordering). Supplied complete with one shaking tray, paramedical cover, L-shaped thermometer cord and plug, to work on 220/230 volts A.C. supply. Available with heating arrangement only (having temperature range from ambient to  $80^{\circ}\text{C}$ ) or with both heating and cooling arrangements (having temperature range from  $5^{\circ}\text{C}$  to  $80^{\circ}\text{C}$ ).

DIMENSIONS	From $5^{\circ}\text{C}$ to $80^{\circ}\text{C}$	From $37^{\circ}\text{C}$ to $80^{\circ}\text{C}$
(A) 225 x 275 x 150 m.m.	62200.00	42200.00
(B) 275 x 275 x 150 m.m.	66000.00	46000.00
(C) 405 x 300 x 150 m.m	72000.00	52000.00
<b>OPTIONAL ACCESSORIES:</b>		
(A) Spare shaking tray or test tube rack		4300.00
(B) Digital R.P.M. Meter		8400.00
(C) Programmable Graphic LCD Controller cum display		10000.00



**APS-111: FUME HOOD**

Designed so as to throw-out all toxic/ harmful vapours, thus protecting costly instruments and the person working in the lab. Working table top is fitted with acid/alkali resistant tiles/ Stain Steel and a small wash basin with connections provided for inlet and outlet of water. The front door moves vertically up and down with concealed counter balanced weight. The unit is fitted with fluorescent light and a gas cock for gas/air supply. The space under the work station can be provided with storage compartments for storage purpose. The front facing panel is fitted with 15/5 Amp socket with switches for exhaust system and fluorescent light. TO WORK ON 220/230 volts A.C. Supply



DIMENSIONS	WOODEN	M.S.	S.S.
(A) 2' x 2' x 2'	58800.00	68600.00	96000.00
(B) 3' x 2' x 2'	72500.00	81500.00	109800.00
(C) 4' x 2' x 2'	84400.00	99000.00	150000.00
(D) 6' x 2'x2'	121500.00	141200.00	231900.00
OPTIONAL ACCESSORIES:			
(A) PVC Fume Duct (per ft.)			1500.00
(B) Inner chamber FRP/ S.S. (Per FT.)			900.00
(C) Lining on Working walls extra (Per FT.)			500.00
(D) Programmable Graphic LCD Controller cum display (PID)			10000.00

**APS-112: LAMINAR FLOW CABINET (HORIZONTAL)**

Designed so as to meet the requirements of US Federal Standard 209 B (BS 5295) providing particle free air to meet class 100 (Class conditions.. The work table is made of Stainless Steel at top. Side panels are made out of thick transparent UV resistance 6mm acrylic sheet. The unit is fitted with pre - filter and HEPA Filter. Air is drawn through pre-filter and is made to pass through highly effective HEPA (High Efficiency Particular Air) filters having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, thus retaining all air-borne particles of size 0.3 micron and larger. Using a dynamic machine, the blower and motor assembly is statically and dynamically balanced ISI MARKED Motor of 1/5 H.P. capacity operates with minimum noise level. The working area is illuminated by fluorescent lighting fitted to the unit. Height of the working table provides comfortable 'SIT DOWN" working position for the operator. To work on 220/230 volts A.C. supply. Supplied complete with S. Steel table top, HEPA filters pre-filter and fluorescent illumination, UV light & Gas Burner



DIMENSIONS	WOODEN	M.S.	S.S.
(A) 2' x 2' x 2'	40200.00	53900.00	75500.00
(B) 3' x 2' x 2'	49000.00	62800.00	86300.00
(C) 4' x 2' x 2'	57800.00	71600.00	99900.00
(D) 6' x 2'x 2'	88200.00	105900.00	149000.00
OPTIONAL ACCESSORIES:			
(A) Programmable Graphic LCD Controller cum display (PID)			10000.00



**APS-113: LAMINAR FLOW CABINET (VERTICAL)**

Same as APS-112 but the air flow is vertically downward

DIMENSIONS	WOODEN	M.S.	S.S.
(A) 2' x 2' x 2'	45000.00	58800.00	86300.00
(B) 3' x 2' x 2'	54800.00	68600.00	98000.00
(C) 4' x 2' x 2'	66700.00	79400.00	113700.00
(D) 6' x 2' x 2'	96000.00	113700.00	162700.00
<b>OPTIONAL ACCESSORIES:</b>			
(A) Programmable Graphic LCD Controller cum display (PID)			10000.00



**APS-114: BIOLOGICAL SAFETY CABINET/ SAMPLING BOOTH**

The work table is made of Heavy gauge S.S. sheet and is fitted with U.V. Germicidal Light, static pressure Manometer, Exhaust System (suitable for 6 feet duct) and Virus Burn Out Unit. Side panels are made out of thick transparent plexi glass duly framed. The unit is fitted with pre-filter and HEPA Filter. Air is drawn through pre-filter and is made to pass through highly effective HEPA (High Efficiency Particular Air) filters having efficiency retaining all air-borne particles of size 0.3 micron and larger. Using a dynamic balancing machine, the blower and motor assembly is statically and dynamically balanced. Motor of 1/4 H.P. capacity operates with minimum noise level. The working area is illuminated by fluorescent lighting fitted to the unit. The height of the working table provides a comfortable "SIT DOWN" working position for the operator. In addition to the above features of a standee Vertical Laminar Flow Bench, the "APS" Bio-safe cabinets have arrangements for re-circulating a part of the air thus creating highest level of clean air. The unit is also convertible to the conventional vertical laminar flow bench with downward air flow by lifting the sliding front door upwards. Air is sucked through the pre-filter and the excess air is thrown out from the top. Through a HEPA filter of size 1' x 1' x 6". Supplied with glove ports and gauntlets, HEPA filter, pre-filter, U.V. light and fluorescent light.

**\*\*SIZE CAN BE DESIGNED AS PER THE CUSTOMER REQUIREMENT\*\*\*\*\***

DIMENSIONS	WOODEN	M.S.	S.S.
(A) 3' x 2' x 2'	79400.00	88200.00	117600.00
(B) 4' x 2' x 2'	92200.00	106000.00	152900.00
(C) 6' x 2' x 2'	119600.00	137200.00	194000.00
<b>OPTIONAL ACCESSORIES:</b>			
(A) Programmable Graphic LCD Controller cum display (PID)			10000.00
(A) Exhaust Ducting (per running feet)			1500.00
(B) Gas Burner			450.00
(C) Virus burn out unit			5000.00



-CE Marked  
 -ISO 9001:2008 certified  
 -BS EN 12469:2000 biohazard certification (On request)

**APS-115:PLANT GROWTH CHAMBER**

It has outer wall made of M.S. Sheet duly powder coated and inner wall made up of heavy gauge S.S. Sheet. The gap between inner and outer wall is filled with puff insulation to avoid thermal loss. Besides outer double walled door, a full view inner glass door allows inspection of test samples without disturbing the inner chamber conditions. Unit is supplied with three adjustable perforated shelves. Temperature range from 5°C to 50°C (Can be changed as per customer requirement) with accuracy of ± 0.5°C is controlled by DUAL SETTING Digital Temperature indicator-cum-controller so as to set two different temperatures for Day and Night. Exterior illumination with fluorescent tubes fitted on both sides of the chamber accounts for artificial day light, and the cyclic illumination conditions are regulated by automatic 0-24 hrs. Timer, when all the tubes are on temperature from 15°C to 50°C ±0.5°C can be from ambient to 50°C and the same is achieved by means of injecting steam. Arrangements for increasing the humidity are provided and not for decreasing.



-CE Marked  
-ISO 9001:2008 certified

DIMENSIONS	M.S.	S.S.
(A) 505 x 830x415 m.m.	241400.00	246400.00
(B) 570 x 875 x 550 m.m.	305000.00	301000.00
(C) 650 x 900 x 550 m.m.	359000.00	364000.00
OPTIONAL ACCESSORIES:		
(A) Digital Humidity Controller		20000.00
(B) Programmable Graphic LCD Controller cum display (PID)		10000.00

**APS-116:SEED GERMINATOR (DUAL CHAMBER)**

Most suitable for conducting various experiments on a variety of seeds under different conditions of temperature and humidity. Atmospheric conditions are created within the chamber to perform different experiments without gone onto the field. The double walled unit has inner chamber made up of S.S. and outer chamber of M.S. Sheet duly powder coated. Fitted with heating and cooling system in both the chambers. so as to Control Temperature from 5°C to 50°C ± 1°C in both chambers (Supplied with 14 trays). Complete with cord and plug to work on 220/230 V. A.C. supply.



DIMENSIONS	M.S.	S.S.
555(w) x 910 (H) x 605 (D) (22"x36"24")	261000.00	266000.00
OPTIONAL ACCESSORIES:		
(A) Exterior illumination arrangement (for each chamber)		6800.00
(B) Automatic 0-24 hrs timer (for each chamber)		2800.00
(C) Digital Humidity Control Arrangement 45% to 95% ± 3% RH (for each chamber)		11900.00
(D) Automatic Voltage Stabilizer 3.0 KVA (TRIPLE RELAY) (for each chamber)		6300.00
(E) Programmable Graphic LCD Controller cum display (PID)		10000.00
(F) SEED GERMINATOR (SINGLECHAMBER) IS AVAILABLE		161000.00



**APS- 117: HUMIDITY CONTROL CABINET**

Suitable for carrying out different quality control tests under controlled conditions of temperature and humidity. Inner chamber consists of S.S. and outer wall of M.S. sheet duly powder coated. The gap between the outer and inner wall is filled with puff insulation to prevent thermal losses. A self cooler air circulation fan is fitted to maintain uniform temperature and humidity conditions throughout the chamber Temp. Range from 5°C above to 60°C (both heating and cooling) is controlled by digital temperature indicator cum controller with an accuracy of ±0.5°C. Humidity is controlled through an imported HUMIDISTAT thus controlling the desire set humidity range from atmospheric humidity to 95% ± 3%..



DIMENSIONS	From 5°C to 80°C	From 37°C to 80°C
(A) 455 (w) x 710 (H) x 455 (D) mm	166600.00	74500.00
(B) 605(w) x 605 (H) x 605 (D) mm	208600.00	113700.00
(C) 605(w) x 910 (H) x 605(D) mm	254800.00	166600.00
<b>OPTIONAL ACCESSORIES:</b>		
(A) Programmable Graphic LCD Controller cum display (PID)		10000.00

**APS- 118: ICE FLAKING MACHINE - Witeg Germany Type Model**

APS has revolutionized the ice maker, to provide state-of-the-art dimensional and operational features. Today with its new aesthetics you may proudly display your ice maker. At the same time, the reduced dimensions allow you to place it under the counter or wherever you prefer, with the utmost freedom even with water drain constraints. Daily production and storage capacity have been optimized in relation to overall dimensions, while innovative features create and allow the maintenance of the highest food safety standards.

**At a Glance:**

- Hygienic ice with maximum cooling capacity
- Lowest power consumption
- Hermetically sealed air cooled refrigeration system
- Eco Friendly refrigerant
- Fully Automatic control system
- Corrosion free stainless steel interiors
- Rounded corners of the interiors for easy cleaning
- Geared Motor with thermal protection



CAPACITY		S.S.
(A) 30Kg. /24Hr		175000.00
(B) 50Kg. /24Hr.		218400.00
(C) 85Kg. /24Hr.		301000.00
(D) 100Kg. /24Hr.		325000.00
(E) 150Kg. /24Hr.		355000.00
(F) 200Kg. /24Hr.		375000.00
<b>OPTIONAL ACCESSORIES:</b>		
(A) Programmable Graphic LCD Controller cum display (PID)		10000.00

**APS- 119:DEEP FREEZER (VERTICAL ) - Witeg Germany Type Model**

Double walled with inner chamber made of S.S. and outer of thick PCRC sheet duly enamel painted. Temperature range from 10°C to -86°C is achieved by hermetically sealed compressor. The gap between the inner and outer wall is filled with high grade PUF Insulation to avoid thermal loss. Body is mounted on a sturdy angle iron frame and is mounted on castor wheels. Unit is fitted with Micro Processor Digital Temperature Indicator-cum controller. Horizontal Chest type models are supplied in a single compartment whereas vertical models are supplied with three storing shelves.

**SINGLE AND DOUBLE DOOR MODELS ARE AVAILABLE**

**ALL MODELS ARE FABRICATED IN STAINLESS STEEL BODY 316 GRADE**



CAPACITY	0-10°C	5 TO -20°C	-40°C
4 Cuft.	110000.00	160000.00	190000.00
6 Cuft.	130000.00	180000.00	210000.00
10 Cuft.	150000.00	200000.00	230000.00
12 Cuft	170000.00	220000.00	250000.00
<b>OPTIONAL ACCESSORIES:</b>			
(A) Programmable Graphic LCD Controller cum display (PID)			10000.00

**APS- 119A: ROTARY VACUUM EVAPORATOR (BUCHI TYPE Model) (VARIABLE SPEED)**

The apparatus consists of an evaporating flask rotated by sparking induction motor in a heating water bath. Vacuum distillation of solvent at high and low temperature is achieved quickly and efficiently by use of a VARIABLE SPEED motor, which prevents foaming and bumping of the liquid (solvent) into the evaporating flask and also distillation under controlled atmosphere The evaporating flask is pear shaped to give a large surface area of evaporation and is clamped to a glass duct which goes through the drive unit and protrudes about 120 mm into the condenser. The condenser is fitted with standard joint at the top and the bottom for receiver flask. The unit is fitted with a quick action jack capacity 1 liter (Without water bath & Vacuum Pump)



CAPACITY	PRICE (INR)
(A) 1 LITER	42000.00
(B) 2 LITER	48000.00
<b>OPTIONAL ACCESSORIES:</b>	
(A) Thermostatic Water Bath (S.S.)	14000.00
(B) -do- but digital model	19000.00
(C) Vacuum Pump	APS-124
(D) Micro Attachment Set	3000.00
(E) Condenser Double Coil	5000.00
(F) Rolling Flask	1200.00
(G) Collection Flask	800.00
(H) Clip for Holding Ball Joint 50 mm	650.00
(I) Clip for Holding B- 24 (Joint)	650.00

**APS- 120: DISTILLATION UNIT ALL GLASS, WITH QUARTZ HEATER TUBE**

These units consist of main boiler. A built in heater enclosed in Quartz glass tube. Housing auto Water level adjuster, Bottom outlet for cleaning waste discharge which is fitted with Teflon screw Cap valve. A coil condenser fitted on top for condensing vapours. The whole unit is mounted on epoxy coated metal box stand & covered with acrylic sheet cover for protection. Power supply unit is in built no extra attachment is required. Housing sturdy & reliable power System requires 1 K.W. Power per heater. These distillation units are more compact, require less space, reliable, easy to operate on Continue basis



CAPACITY (FLOW RATE) (BOROSILICATE GLASS)	VERTICAL		HORIZONTAL	
	SINGLE STAGE	DOUBLE STAGE	SINGLE STAGE	DOUBLE STAGE
(A) 1.2 lit/hr	25200.00	44800.00	21000.00	43400.00
(B) 1.5 lit/hr	35000.00	54600.00	30800.00	53200.00
(C) 3.5 lit/hr	39200.00	63000.00	35000.00	61600.00
CAPACITY (FLOW RATE) (QUARTZ)	VERTICAL		HORIZONTAL	
	SINGLE STAGE	DOUBLE STAGE	SINGLE STAGE	DOUBLE STAGE
(A) 1.2 lit/hr	72800.00	126000.00	71400.00	123200.00
(B) 1.5 lit/hr	82600.00	138600.00	81200.00	135800.00
(C) 3.5 lit/hr	91000.00	152600.00	89600.00	149800.00

**APS- 121: VACUUM OVEN**

These are double walled units with outer made of M.S. Sheet duly powder painted and inner made of heavy gauge S. Sheet. Gap between the two walls is duly filled with puff insulation to avoid thermal loss. Temperature range from ambient to 150°C is controlled by Digital Temperature Controller with an accuracy of  $\pm 1^\circ\text{C}$ . It is capable of with standing a high vacuum. Provided with vacuum gauge, see through transparent window of toughened glass and one shelf. To work on 220/230 Volts A.C. supply.



DIMENSION	PRICE (INR)
(A) Round : 200 x 250 m.m. (8"x10")	65500.00
(B) Round : 250 x 300 m.m. (10"x12")	72800.00
OPTIONAL ACCESSORIES:	
(A) Programmable Graphic LCD Controller cum display (PID)	10000.00
(B) Vacuum pump	APS-124

**APS- 122: OVEN UNIVERSAL**

These are sturdy double walled units with outer chamber made of M.S. sheet duly powder coated / painted or stainless steel with inner made up of anodized aluminum or S.S. sheet. The gap between inner and outer chamber is filled with puff insulation to avoid thermal losses. Beaded heating elements are placed in ribs, at bottom and sides. Inner chamber is provided with ribs for adjusting perforated shelves to convenient Temp. Temperature is controlled by digital temperature indicator cum controller from ambient to 250°C ± 0.5°C. An - L shaped prismatic thermometer is fitted to the unit for reading the chamber temperature. Air ventilators are also provided on the sides of the unit. To work on 220/230 volts A.C.



DIMENSION	M.S.	S.S.
(A) 300 x 300 x 300 m.m.	15700.00	18700.00
(B) 355 x 355 x 355 m.m.	16700.00	19700.00
(C) 455 x 455 x 455 m.m.	23600.00	27600.00
(D) 455 x 455 x 605 m.m.	30400.00	33400.00
(E) 605 x 605 x 605 m.m.	41200.00	44200.00
(F) 605 x 455 x 910 m.m.	49000.00	53000.00
(G) 605 x 605 x 910 m.m.	58800.00	62800.00
<b>OPTIONAL ACCESSORIES:</b>		
(A) Programmable Graphic LCD Controller cum display (PID)		10000.00

**APS- 123: FREEZE DRYER (LYOPHILIZER)**

- \*It is used for pro-reservation of Blood Plasma, Plants etc. without damaging their Cell structure, with cooling condenser, vacuum drum and pump in steel Cabinet.
- \*match the green environmental protection of international standard
- \*big openings of the cold trap, without coil pipe inside, have pre-freeze faction
- \*Imported refrigerant compressor, high capability of water-capture, low noisy
- \*all stainless steel wall, can bear corrosion, clean easily;
- \*transparence the clock cover type dry room, safe, keep a view
- \*stainless steel sample holder, can option the space between layers
- \*small cubage, convenient operation
- \*Valve with nitrogen is optional.
- \*Vacuum degree : <10 Pa
- \*Freeze-dry acreage : 0.07-0.12 sq. m
- \*Water-Capture Capability : 2-3Kg/24h



CAPACITY	-10°C to -40°C	-20°C to -60°C
(A) 3 liter	225000.00	300000.00
(B) 5liter	275000.00	350000.00

APS- 124: VACUUM PUMP (OIL FREE)	
Max. Vacuum: 675 mm of Hg Horse Power : 1/4 P Max. press(PSI g) : 60 Net Wt. : 12.5 Kg	
<b>FLOW RATE (L/Min)</b>	<b>OIL FREE</b>
(A) 45	18000.00
(B) 90	22000.00



APS- 125: pH METER MICROPROCESSOR BASED (MADE IN GERMANY)	
Make	: AHN GmbH
Model	: AM-58PH
pH Range	: 0.00 to 14.00 pH
pH Resolution	: ±0.01pH
pH Accuracy	: ±0.01pH
mV Range	: 0 to ±1999mV
mV Accuracy	: ±1mV
Temperature Range	: 0 to 100°C
Temperature Accuracy	: ±1°C
Calibration Points	: 2 points
pH Buffer Options	: NIST ( pH 4.00 / 6.86 / 9.18 ) or USA (pH4.01 / 7.00 / 10.00 )
Temp. Compensation	: 0 to 100°C, Manual or Automatic
Power Requirements	: DC 9V, using AC Adaptor 220 VAC, 50hz
Dimensions	: 210 ( L ) mm x 205 ( W ) mm x 65 ( H ) mm
Weight	: 1.75 kg
<b>PRICE (INR)</b>	<b>18000.00</b>



APS- 126: CONDUCTIVITY METER (MADE IN GERMANY)	
Make	: AHN GmbH
Model	: AM-89CM
Conductivity Range	: 0.00 to 1.999, 19.99, 199.9, 1999 µs, 19.99, 200.0mS
Conductivity Accuracy	: ± 1 % F . S
Temperature Range	: 0 to 100 °C
Temperature Accuracy	: ± 1 °C
Temperature Coefficient:	: 0 to 3.9% per °C
Calibration Points	: 1 point per range
Calibration Solution	: 10 to 17 µS, 100 -170 µs 1000 to 1700 µS, 10 -17mS
Cell Constant	: 0.1, 1.0, 10 adjustable
Tem Compensation	: 0 to 50°C, Manual or Automatic
Power Requirements	: DC 9V, using AC Adapter 220VAC, 50Hz
Dimensions	: 210 ( L ) mm X 205 ( W ) mm X 65 ( H ) mm
<b>PRICE (INR)</b>	<b>20000.00</b>



**APS- 127:ION METER(MADE IN GERMANY)**

Make	: AHN GmbH
Model	: AM-05IM
pH Range	: -2.000 to 16.000 pH + °C,
pH Accuracy	: 0.002 pH
ORP Range	: 0 to±1999.9mV
ORP Accuracy	: ±0.2 mV
Ion Concentration Range:	0 to 19999 ppm
Ion Concentration Acc	: ± 0.5% F.S (Monovalent), ±1% FS (Divalent)
Temperature Range	: 0.0 to 100.0°C,
Temperature Accuracy	: ± 0.3°C,
pH Calibration Points	: 2 points , NIST ( pH 4 .00 / 6.86 / 9.18 ) or USA (pH 4.01 / 7.00 / 10.01 )
Ion Calibration Points	: 2 to 5 points, (10-2 /10-3/10-4 /10-5 /10-6 /mol/L)
Temp Compensation	: 0 to 100°C, Manual or Automatic
Built-in Ion mode	: Na, Ag, K, NH, CL, F, Ca, No3, Pb, I, Cu, Br, CN,
Memory &Outpu	: t99 data sets with date/time stamping, USB
Power Requirements	: DC 9V, using AC adapters, 220VAC, 50Hz
Dimensions	: 210 (L)mm X188 (W) mm X 60 (H )mm
<b>PRICE (INR)</b>	<b>85000.00</b>



**APS- 128:DISSOLVE OXYGEN METER**

Make	: AHN GmbH
Model	: AM-08DO
Dissolved O2 Range	: 0.00 to 20.00mg/L
Resolutin	: 0.01 mg/L
Dissolved O2 Accuracy	: ± 0.3mg/L
Saturation of Oxygen	: 0 to 200.0%
Accuracy	: ± 5.00%
Temperature Range	: 0.0 to 50.0°C
Temperature Accuracy	: ± 0.3°C
Temp Compensation	: 0 to 40°C, Automatic
Salinity Correction	: 0 to 35g/L
Barometric Pressure Correction	: 450 to 850 mm Hg, 60 to 112.5 kpa
Calibration Points	: 1 or 2 points (100% in air or 0% in zero oxygen solution )
Memory	: 99 data sets with date/time stamping
Output	: USB Interface
Power Requirements	: DC 9V, using AC adapters, 220VAC, 50Hz
Dimensions	: 210 (L)mm X 188(W) mm X60(H)mm
<b>PRICE (INR)</b>	<b>85000.00</b>





**APS- 129: HOT PLATE MAGNETIC STIRRER (MADE IN GERMANY)**

Make	: AHN GmbH
Model	: A859-HPMS
Stirring Volume	: 0 to 2000mL
Stirring Speed	: 0 to 1250 RPM
Top Plate Size	: 135 mm x 135 mm
Panel Material	: Steel
Temperature	: 0 to 300 ° C ,0 to 400 ° C
Accuracy	: ±1 ° C(<100 ° C ) ±3 ° C(<300 ° C ) ,±1 ° C(<100 ° C ) ±3C(<400 ° C)
Timer	: 999 minutes
Power Requirements	: 220V / 50 Hz
Dimensions	: 230 (L)mm x180(W) mm x120 (H) mm
<b>PRICE (INR)</b>	<b>20000.00</b>



**APS- 130: MULTIPARAMETER WATER QUALITY MOTOR(MADE IN GERMANY)**

Make	: AHN GmbH
Model	: A-008MPM
pH Range	: -2.000 to 16.000pH
pH Resolution	: ±0.001pH
pH Accuracy	: ±0.002pH
Calibration Points	: 2 points, NIST(pH4.00/6.86/9.18) Or USA(pH4.01/7.00/10.01]
mV/ORP Range	: 0 to ±1999.9mV
mV/ORP Accuracy	: ±0.2mV
Temp Compensation	: 0.0 to 100.0°C, Manual or Automatic
Conductivity Range	: 0 to 1.999,19.99,199.9,1999µS, 19.99, 200.0mS
Conductivity Accuracy	: ± 0.5% F.S
Calibration Points	: 1 point per range
Temp Compensation	: 0 to 50°C, Manual or Automatic
Temp Coefficient	: 0 to 3.9% per°C
Cell Constant	: 0.1,1.0,10 adjustable
TDS Range & TDS Acc	: 0 to 100 ppt, Max.200 ppt& +1% F.S
TDS Conversion Factor	: 0.01 to 1.00, Default 0.67
Salinity Range &Acc	: 0 to 50 ppt, 0.00 to 5.00% & ±0.5ppt, ±0.05%
Resistivity Range andAccuracy:	0 to 100M, Ω ± 1%F.S
Temperature Range	: 0.0 to 100.0oC
Temperature Accuracy	: ±0.3oC
Memory &Output	: t99 data sets with date / time stamping, USB
Power requirements	: DC 9 V, using AC Adapter 220 VAC, 50 Hz
Weight	: 1.75 kg
<b>PRICE (INR)</b>	<b>76000.00</b>



**APS- 130A:ULTRASONIC BATH/ SONICATOR WITH TIMER AND HEATER(MADE IN GERMANY)**

Make	: AHN GmbH
Model	: AUC- 2L, AUC- 4L, AUC- 6L, AUC- 9L, AUC-12L, AUC- 12AL
Tank Volume (liters)	: 2 L,4 L,6 L,9 L,12 L,12 L
Ultrasonic Wattage	: 50 W,100 W,150 W,200W,200 W,300 W
Ultrasonic Frequency	: 40 ± 3 KHZ
Heating	: 37 To 80°C Digitally Controlled (Dual Display)
Digital Timer	: 0 To 60 Minutes
Outer Housing Material	: Stainless Steel
Mains Supply	: 220 Volt, Ac 50 Hz, Single Phase
Inner Tank Material	: Stainless Steel



CAPACITY (IN LITERS)	PRICE INR
(A) 2- AUC- 2L	18000.00
(B) 4- AUC- 4L	34000.00
(C) 6- AUC- 6L	45000.00
(D) 9- AUC- 9L	53000.00
(E) 12- AUC- 12L	64000.00
(F) 12- AUC- 12AL	72000.00

**APS- 131: VORTEX MIXER(MADE IN GERMANY)**

Make	: AHN GmbH
Model	: AH-807VM
Voltage(VAC)	: 220-230
Shaking Movement	: Orbital
Speed range (rpm)	:0-2500(adjustable)
Speed display	: Scale
Run type	:Continuous/ touch operation
Dimensions	: 127 x 130 x 160
Permitted Ambient Temperature:	5-40 °C



<b>PRICE (INR)</b>	<b>18000.00</b>
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**APS- 132: GEL DRYER(MADE IN GERMANY)**

The microprocessor of the Midi Gel Dryer controls temperature from ambient +5°C to 90°C with a timer from 0 to 999 minutes to heat gels from the base plate while connected to a vacuum pump to remove the moisture and dry gels homogeneously. The surrounding groove design and sealing silicon rubber mask ensure optimal sealing when connecting to a vacuum pump.

Model	: AH-MG-2161, AH-MG-3595
Wavelength	:210 x 310mm, 350 x 450mm
Display	:Two of 4 digital LED
Control	: Digital Microprocessor controller
Temp Control Range	: Ambient to 90 ° C
Temperature Increment:	0.1 ° C
Temperature Uniformity at 37°C :	& plusmn;0.2 ° C
Temperature Calibration:	Yes
Timer	: 0 ~ 999 mins







Weight	: Approx. 9.0kg, Approx. 15.0kg	
<b>MODEL</b>	<b>PRICE (INR)</b>	
(A) AH-MG-2161	110000.00	
(B) AH-MG-3595	145000.00	

**APS- 133:PCR 24 & 96-WELL MACHINE (MADE IN GERMANY)**

Model A- 25+PCR is for small labs and educational institutes where samples are limited. Model A- 96+PCR can handle 96 samples in a run.  
 Model :MG25+, MG96+  
 Sample Capacity : 25 wells x 0.2 ml, 96 wells x 0.2 ml  
 Block Temperature Range: 0C - 99C  
 Maximum Heating Rate : 3C/s  
 Maximum Cooling Rate : 2C/s  
 Temp Uniformity & Acc :  $\leq \pm 0.2C$  &  $\leq \pm 0.2C$   
 Display Resolution : 0.1C  
 Mode of Temp Control : Sim-tube & Block mode  
 Max no. of Programs & Cycle: 125 typical programs of 99 cycles  
 Time Increment/Decrement: 1s - 60s Long PCR available  
 Auto Shut-Off : When block temperature is below 30C or after run is over



MODEL	PRICE (INR)
A-25+PCR	250000.00
A-96+PCR	360000.00

**APS- 134 : UV TRANSILLUMINATOR**

The bench-top UV transilluminator series offers the researcher uniform and intense sources of ultraviolet light in a compact packet  
 Model : A-3125  
 Wavelength : 254 / 312 / 365nm  
 Filter Size : AUV26 series: 26 x 21cm, AUV21 series: 21 x 21cm  
 Light Source : 8W x 6 tubes  
 Filter : Long life filter, High efficiency reflector  
 Intensity Switch: High/Low Intensity switch  
 UV Resistant Plastic Cover: 330 x 250mm  
 Unit Dimension: 340 x 295 x 100mm  
 Rated Voltages : 110V or 220V  
 Weight: Approx : 7.5kg



MODEL	PRICE (INR)
AUV26 series: 21 x 21cm	70000.00
AUV21 series: 25 x 20cm	90000.00

**APS- 135: ULTRA SONIC CLEANER(MADE IN GERMANY)**

Make	: AHN GmbH
Model	: AH-803USC
Volume (ltr.)	:2. 5ltr. With heater
Voltage	: AC 220-240v, 50 / 60 hz
Ultrasonic power (w)	: 90 w
Heat power	: 80 w
Frequency (khz)	: 42,000 hz
Temp. Range (°c)	: 65°c
Tank size (mm)	: 264 x 164 x 80mm
Unit size (mm)	: 340 x 255 x 225mm
N. W	: 2. 5kg
Indication	: LED digital indication



<b>PRICE (INR)</b>	<b>18000.00</b>
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**APS- 136:HEATING BLOCK(MADE IN GERMANY)**

- \*Temperature range: Ambient  $\pm 5^{\circ}\text{C}$  to  $100^{\circ}\text{C}$
- \*Complete unit control with microprocessor IC
- \*Block Heater smooth control with SSR relay
- \*Digital temperature calibration mode for easy user calibration
- \*All function keys are used the soft membrane key
- \*PID- temperature controller(Shows-PV & SV)



<b>MACHINE PRICE INR</b>	<b>32000.00</b>	
<b>BLOCKS</b>	<b>STAINLESS STEEL</b>	<b>ALUMINIUM</b>
(A) 20x 1.5/2 ml	8000.00	7000.00
(B) 6x 15 ml	8000.00	7000.00
(C) 4x 50 ml	8000.00	7000.00



**APS- 137: MICRO PLATE THERMO SHAKER (MADE IN GERMANY)**

Make	: AHN GmbH
Model	: AH-MB100-2A
Capacity	: 2 Plates
Temp. Range	: Ambient+5°C to 70°C
Temp. Increment	: 0.1°C Steps
Temp. Uniformity	: $\pm 0.5^{\circ}\text{C}$
Temp. Accuracy	: 0.1°C
Warming up speed	: < 25 min. from 20~70°C
Orbit	: 2 mm
Speed Range	: 100-1200 RPM
Digital timer	: 1min – 99h59min
Overall Size	: 280 x 270 x 140 (mm)
Weight	: 7.5 kg
Power Source	: AC220V 50/60Hz



<b>PRICE (INR)</b>	<b>65000.00</b>
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**APS- 138: HYBRIDIZATION OVEN**

Make : APS  
 Model : APS-138  
 Temp. Accuracy : ± 0.5°C  
 Rotor Capacity : 4 supplied (8 maximum)  
 Rotor Speed : 6-50 rpm  
 Shaker Rotation : Rotation + Orbital  
 Shaker Speed - : 6-120 rpm  
 Shaker Capacity - : Carry 6kg  
 Digital timer : 999h 999min 999sec  
 Platform Dimension (mm) : 310 x 210  
 Dimension Inner (mm) : 350 x 255 x 250  
 Dimension Outer (mm) : 440 x 375 x 410  
 Weight (kg) : 23.33  
 Power : 220v 60Hz  
 Glass Bottle Size (mm) : GL-3 (4x150)



**PRICE (INR)**

**110000.00**

**APS- 139: GEL DOCUMENTATION AND ANALYSIS SYSTEM(MADE IN GERMANY)**


Make : AHN GmbH  
 Model : A-1510GDS  
 Darkroom : Simple & Hermetic  
 Camera : Digital CCD camera, 1.4 million pixels, 12bit, 1/2 inch  
 Resolution : 1360x1024  
 Operation panel : switch control  
 Lens : 6x manual zoom lens, 8-48mm  
 Filter Standard : F590 filter with layers coating  
 UV Transilluminator : Transmitted area: 21cm x 26cm  
 Wavelength: 302nm (254nm, 365nmselectable)  
 Trans-White : Uniform white transillumination plate(optional)  
 Epi-UV : Double-UV epi-illumination source(optional)  
 Epi-White : Double LED reflection  
 Software : Image acquisition, enhancement and analysis  
 OS compatibility : Windows XP, 2000, 98  
 Interface : Single USB2.0  
 Power Source : 220V/110V 50/60Hz




**PRICE (INR)**

**450000.00**


**APS- 140:MICROCENTRIFUGE(MADE IN GERMANY)**

Model: APS-140 RPM:6000(Fixed& variable)		
<b>PARTICULARS</b>	<b>PRICE INR</b>	
(A) FOR FIXED SPEED	<b>14200.00</b>	
(B) FOR VARIABLE SPEED	<b>18200.00</b>	
<b>BLOCKS</b>		
6x1.5/ 2ml/ 0.5/ 0.2ml	<b>2500.00</b>	


**APS- 141:MICROCENTRIFUGE(MADE IN GERMANY)**

Model: APS-141 RPM:10000 (Variable)		
<b>MACHINE PRICE INR</b>	<b>22000.00</b>	
<b>BLOCKS</b>		
6x1.5/ 2ml/ 0.5/ 0.2ml	<b>2500.00</b>	

**APS- 142:MICROCENTRIFUGE(MADE IN GERMANY)**

Rotor Capacity : 12X1.5/2.0 ML ROTOR, PCR Strip Rotor (2x8x0.2 ml With Metal safety lid), Adaptor for 0.2/0.5 PCR tube		
Maximum RPM/RCF : 15000/15596g		
<b>MACHINE PRICE INR</b>	<b>74000.00</b>	
<b>Rotor</b>		
12x0.5/2.0 ml PCR Strip Rotor (2x8x0.2 ml)	<b>5000.00</b> <b>12000.00</b>	

**APS- 143:GEL ROCK SHAKER**

Having variable speed of 10 to 50 rpm & angle tilt of 20 to 60 the unit is fitted with D.C. Driven motor with variable speed and Timer.		
<b>PRICE INR</b>	<b>18000.00</b>	

**APS- 144:HOT PLATE**

Hot Plate, APS

Our quality hot plates provide even stable heat using a ceramic coated top plate, coated with white for easy observation during use and thermostat for temperature control.

**\*\*\*DIGITAL MODEL IS AVAILABLE ON REQUEST**

<b>PRICE INR</b>	<b>9000.00</b>
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**APS- 145:DIGITAL HOT PLATECUM MAGNETIC STIRRER (MADE IN GERMANY)**

Make : AHN GmbH  
 Model : AP-48HP  
 Electronic speed control for constant speed, even during changes in load.  
 Low heat temperature stability.  
 Long life brushless motor. high magnetic adhesion.  
 cTUVus approved. CE Marked

<b>PRICE INR</b>	<b>38000.00</b>
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**APS- 146:TEST TUBE ROTATOR(MADE IN GERMANY)**

Make : AHN GmbH  
 Model : AGH-62TR

- \*Provides mixing for diffusion, dialyzing, extraction, etc.
- \*Rotation can be set from 5-50RPM.
- \*Timer can be set from 0-99hrs/1-59min.
- \*Angle of rotation adjustable from horizontal for minimal mixing to vertical for full end over end mixing.
- \*Plastic coated spring clips.
- \*3 rotating disks are available (to be ordered separately).

<b>PRICE INR</b>	<b>38000.00</b>
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**APS- 147:ROTARY MIXER(MADE IN GERMANY)**

Make : AHN GmbH  
 Model : AGH-95RM

- \*Provides serial rotation of tubes for extraction, diffusion, etc.
- \*Mixing action can be set from 5-50RPM.
- \*Timer can be set from 0-99hrs/1-59min.
- \*Rotating bars for tube dia from 10-30mm.
- \*Plastic coated spring clips.
- \*3 bars are available (to be ordered separately).
- \*Quick, easy coupling for exchange of rotating bars

<b>PRICE INR</b>	<b>42000.00</b>
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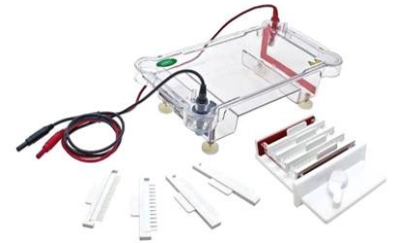


**APS- 148:ELECTROPHORESIS (GEL SIZE 13X13CM, 7.8X10 CM, 4.8X7.5CM)**

Application for the separation of PCR product, small Plasmids, Restriction Digest, RAPD & RPLF fragments. Fast separation of DNA and RNA Fragments in Agarose gel

Make	: AHN GmbH
Model	:A-EP-11H
Dimensions	:27 x 18 x 9
Gel size(cm)	: 13 x13, 7.8 x10, 4.8 x7.5
Buffer requirement(ml)	: 600
Comb Well	: 13,26,10,15,5,3
Weight	: 2.2
Run sample upto	: 26(max.)
Recom. power supply	: Gx300/ Gx300C

<b>PRICE INR</b>	<b>18000.00</b>
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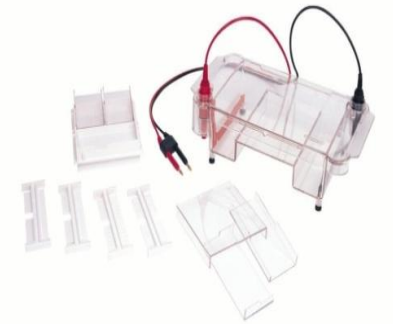


**APS- 149:ELECTROPHORESIS (GEL SIZE 12X12 CM, 6X6 CM, 12X6 CM)**

Application for the separation of PCR product, small Plasmids, Restriction Digest, RAPD & RPLF fragments. Fast separation of DNA and RNA Fragments in Agarose gel

Make	: AHN GmbH
Model	:A-EP-12H
Dimensions	:27 x 18 x 9
Gel size(cm)	: 12X12, 12X6, 6X6
Buffer requirement(ml)	: 550
Comb Well	: 3,6,8,11,13,18,25
Weight	: 0.9
Run sample upto	: 25(max.)
Recom. power supply	: Gx300/ Gx300C

<b>PRICE INR</b>	<b>22000.00</b>
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**APS- 150:SUBMARINE ELECTROPHORESIS**

Application for the separation of PCR product, small Plasmids, Restriction Digest, RAPD & RPLF fragments. Fast separation of DNA and RNA Fragments in Agarose gel

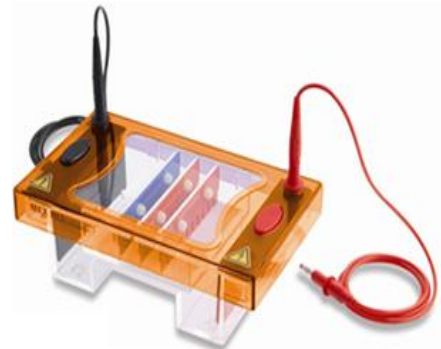
Make	: AHN GmbH
Model	:A-EP-28SM
Gel plate dimensions	: 60x60(mm);
Runs up to	:6 (1.5mm), 8 (1.5mm) or 11 (1.0mm, 1.5mm) sample,
Comb thickness	: 1.0 mm and 1.5 mm;
Buffer volume	: 120 ml
Weight	: about 0.5 kg
Size (L X W X H)	: 197 x 96 x 64 (mm)

<b>PRICE INR</b>	<b>22000.00</b>
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**APS- 151:MIDI PLUS-1 & 2 HORIZONTAL GEL ELECTROPHORESIS SYSTEM**

Make	: AHN GmbH
Model	:AH-MIDI-10-78 AH-MIDI-10-79
Unit Dimensions	:220 x 125 x 90mm 265 x 175 x 90mm
Gel Dimensions	: 100 x 70mm, 100 x 100mm 150 x 70mm, 150 x 100mm
Max. Samples	: 50 for 100 x 70mm Tray, 100 for 100 x 100mm Tray 70 for 150 x 70mm Tray, 140 for 150 x 100mm Tray
Buffer Volume	: 300ml, 500ml
Construction	:Injection molded construction, Durable, leak proof environment for complete safety and long life
Cassettes type Electrodes:	Inexpensive, easy to replace, Made of 99.99% corrosion resistant pure platinum
Electrical Safety	:Lid can only be fastened in one way, On removal power is disconnected from buffer chamber
Rapid casting gel	: Use casting dams



MODEL	PRICE INR
(A) AH-MIDI-10-78	<b>25000.00</b>
(B) AH-MIDI-10-79	<b>32000.00</b>

**APS- 152:MAXI AND MAXI PLUS HORIZONTAL GEL ELECTROPHORESIS SYSTEM**

Make	: AHN GmbH
Model	:AH-MAXI-10-78 AH-MAXI-10-79
Unit Dimensions	:395 x 230 x 90mm 500 x 280 x 90mm
Gel Dimensions	: 200 x 100mm, 200 x 200mm, 200 x 250mm 260 x 160mm, 260 x 240mm, 260 x 320mm
Max. Samples	: 200 for 200 x 100mm Tray, 450 for 200 x 200mm Tray 550 for 200 x 250mm Tray : 336 for 260 x 160mm Tray , 504 for 260 x 240mm Tray 672 for 260 x 320mm Tray
Buffer Volume	: 1200ml, 1400ml
Rapid casting gel	:Use casting dams Use Flexi Caster
Construction	:Injection molded construction, Durable, leak proof environment for complete safety and long life
Cassettes type Electrodes:	Inexpensive, easy to replace, Made of 99.99% corrosion resistant pure platinum
Electrical Safety	:Lid can only be fastened in one way, On removal power is disconnected from buffer chamber



MODEL	PRICE INR
(A) AH-MAXI-10-78	<b>45000.00</b>
(B) AH-MAXI-10-79	<b>58000.00</b>

**APS- 153:MAXI VERTICAL GEL ELECTROPHORESIS SYSTEM**

Make : AHN GmbH  
 Model :AH-20-78DSYS  
 Unit Dimensions :260x160x280 mm  
 Gel Dimensions : 200x200 mm  
 Max. Samples : 192 samples, 48 samples per gel  
 Buffer Volume : 1200-5600 ml  
 Cassettes type Electrodes :Inexpensive, easy to replace, Made of 99.99% corrosion resistant pure platinum  
 Electrical Safety : Lid can only be fastened in one way, On removal power is disconnected from buffer chamber  
 Rapid casting gel : Use Gel Marker Stand



<b>PRICE INR</b>	<b>85000.00</b>
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**APS- 154: MINI AND WIDE MINI VERTICAL GEL ELECTROPHORESIS SYSTEM**

Make : AHN GmbH  
 Model :AH-2-78DSYS  
           AH-3-78DSYS  
 Unit Dimensions :190X130X150 mm  
                     260X160X160 mm  
 Plate Dimensions : 100x100 mm  
                     200x100 mm  
 Gel Samples : 75x80 mm  
                   180x80 mm  
 Max. Samples : 80 samples, 20 samples per gel  
                   192samples, 48 samples per gel  
 Buffer Volume : 250~1200 ml, 600~2800 ml  
 Ice Cooling Pack : Yes  
 Dummy Plate And Casting Base: Yes  
 Construction :Injection molded construction, Durable, leak proof environment for complete safety and long life  
 Cassettes type Electrodes: Inexpensive, easy to replace, Made of 99.99% corrosion resistant pure platinum  
 Electrical Safety :Lid can only be fastened in one way, On removal power is disconnected from buffer chamber  
 Rapid casting gel : Use casting dams



**WIDE MINI**

<b>MODEL</b>	<b>PRICE INR</b>
(A) AH-2-78DSYS	<b>45000.00</b>
(B) AH-3-78DSYS	<b>85000.00</b>

**APS- 155:MINI HORIZONTAL GEL ELECTROPHORESIS**

Two Combs provided for smaller and larger wells. 8,8,17  
 Automatic Power Supply  
 Make : AHN GmbH  
 Model :AH-MINI-303MHG  
 Gel size :Two 5x8.3 cm and one 10.5x8.3 cm

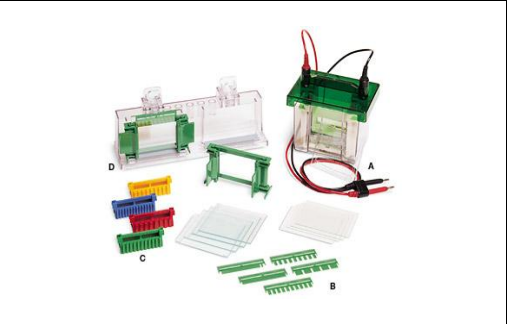


<b>PRICE INR</b>	<b>55000.00</b>
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**APS- 156:MINI-DUAL SDS –PAGE ELECTROPHORESIS**

Make	: AHN GmbH
Model	:AH-SDS-MINI DUAL
Gel Dimensions	:82x82 mm
Runs up to	: 10, 15 samples
Comb Thickness	: 1mm, 1.5mm & 0.75 mm(OPTION)
Buffer Volume	: 400ml
Size	: 150x140x100
Weight	:About 0.9 kgs



<b>PRICE INR</b>	<b>180000.00</b>
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**APS- 157:PROTEIN ELECTROPHORESIS AND WESTERN BLOTTING SYSTEM**

For Gentle Blotting of Large-Sensitive Proteins. Recommended particularly for blotting of large molecules(>100-2000kDa, depending on the protein characteristics) or of protein which are difficult to transfer with other blotting techniques

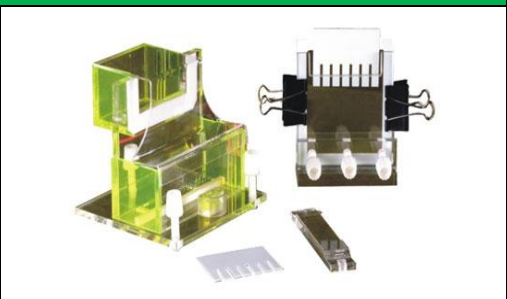
Make	: AHN GmbH
Model	:AH-PB-21215
Gel Size	:10x10
Buffer requirement(ml)	: 750
Dimensions(cm)	: 15x12x12
Weight	: 2.0
Mould Dimension	: 14x5x10
Recom. Power supply	: PGX300, PGX300C



<b>PRICE INR</b>	<b>190000.00</b>
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**APS- 158:VERTICAL SLAB GEL SYSTEM (PAGE)**

PRODUCT	Small Gel System	Small Dual Gel System WCS*	Medium Gel System	Medium Dual Gel System WCS*
MODEL	SGS 01	SGS 02	SGS 03	SGS 04
DIMENSION	13x 10x12	20 x 10 x7	27 x 16 x 8	37 x 25 x 8
GEL SIZE(cm)	8 x 7 (1 Gel)	8 x 7 (2 Gel)	16 x 14(1Gel)	16 x 14 (2 Gel)
SAMPLES	7	14	13	26
BUFFER VOL.	250 ml.	500 ml.	300 ml.	600 ml.
PRICE	<b>12000.00</b>	<b>14000.00</b>	<b>14000.00</b>	<b>20000.00</b>



**APS- 159: Magnum Bio ELECTROPHORESIS RANGE**

MODEL	PAR-MAXI	PAR-MIDI	PAR-MINI	PAR-MICRO
GEL DIM	25x30	13x25	13x13	7x7
COMB (FIXED HEIGHT)	26 well 52well 26well 52 well	13 well 16 well	13 well 16 well 20 well	8 well
COMB THICKNESS	1.5/1 mm 1.5/1 mm 0.75 mm 0.75 mm	1.5/1 mm 1.5/1 mm	1.5/1 mm 1.5/1 mm 1.5/1 mm	1.5 mm

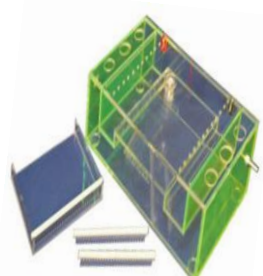




<b>COMB SLOT</b>	12	4	2	1	
<b>ADJUSTABLE COMB</b>	Available (Optional)	Available (Optional)	Available (Optional)	Not-Available	
<b>PRICE</b>	<b>55000.00</b>	<b>28000.00</b>	<b>22000.00</b>	<b>11000.00</b>	

**APS- 160: ELECTROPHORESIS CELL SUBMARINE ELECTROPHORESIS SYSTEM ( HORIZONTAL )**

PRODUCT	Smallest Gel Electrophoresis	Small Gel Electrophoresis	Medium Gel Electrophoresis	Large Gel Electrophoresis	Largest Gel Electrophoresis WCS*
<b>MODEL</b>	APS-01	APS-02	APS-03	APS-04	APS-05
<b>DIM</b>	15 x 7 x 8	20 x 10 x 7	27 x 16 x 8	37 x 25 x 8	47 x 25 x 11
<b>GEL SIZE(cm)</b>	7 x 4	10 x 7, 7 x 5	7 x 5, 13 x 6 13 x 10	20 x 15, 20 x 20	20 x 15, 20 x 20
<b>SAMPLES</b>	5	8	Up to 36	Up to 60	Up to 60
<b>BUFFER VOL.</b>	150 ml.	300 ml.	500 ml.	1000 ml.	1000 ml.
<b>PRICE</b>					



**APS- 161: ELECTRO BLOTTING (TRANSFER) SYSTEM**

PRODUCT	MODEL NO.	DIMENSIONS	NO. OF CASSETTES	BUFFER VOLUME	PRICE
Small Western Blotting System	PMB-01	16 x 5 x 13 cm.	8 x 7 (1 Gel)	300 ml.	<b>27800.00</b>
Small Dual Western Blotting System	PMB-02	16 x 12 x 13 cm.	8 x 7 (2 Gel)	700 ml.	<b>33000.00</b>
Medium Western Blotting System	PMB-03	18 x 12 x 26 cm.	16 x 14 (1 Gel)	1000 ml.	<b>37000.00</b>
Medium Dual Western Blotting System WCS*	PMB-04	18 x 12 x 26 cm.	16 x 14 (2 Gel)	1300 ml.	<b>40500.00</b>
Small Semi Dry Blotting System 10 x 10 cm Gel	PMB-05	11 x 11 x 8 cm.	--	50 ml.	<b>11400.00</b>
Medium Semi Dry Blotting System 20 x 20 cm Gel	PMB-06	21 x 21 x 8 cm.	--	150 ml.	<b>21600.00</b>
Southern Blotting System	PMB-07	20 x 10 x 7 cm.	--	300 ml.	<b>21600.00</b>

**APS- 162: UV TRANSILLUMINATORS**

Models :	ALUV 20	ALUV 20A	ALUV40	ALUV 40 A	AL WHITE	UV Torch	UV College Model Mini	UV College Model -Regular
Filter Size (cm)	21 x 26	21 x 26	21x26	21 x 26	20 x 20	-	10 x 10	21 x 26

Filter Type	Long life filter	Long life filter	Long life filter	Long life filter	-	Standard filter	Standard filter	Standard filter
Wave-length	302 nm	302 nm	302 / 365 nm	302 / 365 nm	White	302 nm	302 nm	302 / 365 nm
Intensity	Single	Variable	Single	Variable	-	Single	Single	Variable
No. of Tubes	4	4	4	4	-	1	2	4
Tube power	15w	15w	15w	15w	-	15w	15w	15w
Genuine UV-blocking cover	Ye s	Ye s	Ye s	Ye s	-	-	Yes	Yes
Power	60 W	60 W	60 W	60 W	-	15 W	30 W	60 W
<b>PRICE</b>	<b>73700.00</b>	<b>79400.00</b>	<b>82200.00</b>	<b>90700.00</b>	<b>27500.00</b>	<b>10700.00</b>	<b>25700.00</b>	<b>52700.00</b>







**UV TRANS ILLUMINATOR**








**ULTRA SONIC PROCESSOR (MADE IN GERMANY)**


<b>APS- 163: ULTRASONIC PROCESSORS ( CELL DISRUPTORS )(MADE IN GERMANY)</b>			
<b>MODELS</b>	<b>AHP 250 W</b>	<b>AHP 500 W</b>	<b>AHP 750 W</b>
Power	250 W	500 W	750 W
Frequency	20 Khz	20 Khz	20 Khz
Titanium Probe with tip	3 mm ( 1/8" )	9.5 mm ( 3/8" )	13 mm ( 1/2" )
Optional Probes with tips	6 mm ( 1/4" )	6 mm ( 1/4" )/3 mm ( 1/8" )	6 mm ( 1/4" )/3mm ( 1/8" )
Sound Reduction Enclosure provided	Yes	Yes	Yes
Independent ON/OFF Pulsar	Yes	Yes	Yes
Integrated Temperature controller	Yes	Yes	Yes
Real Time Display	Yes	Yes	Yes
Timer	Yes	Yes	Yes
Input supply	230 VAC	230 VAC	230 VAC
Sample Volumes	0.150 ml to 275ml	0.250 ml to 450ml	0.350 ml to 600 ml
<b>PRICE</b>	<b>201600.00</b>	<b>235200.00</b>	<b>264000.00</b>

**LAB ACCESSORY ,CENTIFUGE AND MICROFUGE**

<p><b>iFuge APS08VT</b></p>	<p>8 Slot x 1.5/2.0 ml microtubes closed Rotor Microprocessor based controller Variable Speed from 1000 RPM to 6000 RPM (Maximum RCF 2000g) Digital Timer (0-25 minutes) &amp; infinite mode Smart Robust Design with Digital Display for Speed and Time Electronic Safety Brake (on lid opening) Patented Imbalance Detection System with Automatic Cut Off SMPS Universal Electric supply for high efficiency User enabled Digital Calibration function <b><u>Standard Accessories included:</u></b> Interchangeable - PCR Strip Rotor (2 x 8 x 0.2 ml) Reduction Apators for 0.2/0.4 ml Microtubes</p>	<p>CE</p> 	<p>15700</p>
<p><b>iFuge APS12</b></p>	<p>12 Slot x 1.5/2.0 ml microtubes with aerosol tight Aluminum rotor Brushless DC motor for efficient performance with low noise (&gt;60 dB) Large Back-lit LED display for easy view &amp; setting (RPM/RCF switch) Max. speed of 15000 RPM (delivers 15600 x g in small footprint) Safety Lid interlock &amp; auto open after run completion Timer upto 999 minutes (Min - Sec mode countdown timer) Imbalance detection with Microprocessor (stores last run memory) USB connectivity for remote operation (programmable) <b><u>Other rotors/Accessories:</u></b> Reduction Apators for 0.2/0.4 ml Microtubes PCR Strip Rotor (2 x 8 x 0.2 ml) - Optional</p>		<p>68000</p>
<p><b>iFuge BL08AP</b></p>	<p>8 Slot x 1.5/2.0 ml microtubes closed Rotor Fixed Speed of 6000 RPM; RCF 2000g Brushless DC motor for efficient performance with low noise (&gt;60 dB) High efficiency +/- 10 rpm (self correcting at changing loads) Smart Robust Design for long life with digital Display Electronic Safety Brake (on lid opening) <b><u>Standard Accessories included :</u></b> Interchangeable - PCR Strip Rotor (2 x 8 x 0.2 ml) Reduction Apators for 0.2/0.4 ml Microtubes</p>		<p>16600</p>
<p><b>iFuge BL08VTAP</b></p>	<p>8 Slot x 1.5/2.0 ml microtubes closed Rotor Variable Speed (1000 to 6000 RPM &amp; and Timer setting feature) Brushless DC motor for efficient performance with low noise (&gt;60 dB) High efficiency +/- 10 rpm (self correcting at changing loads) Smart Robust Design for long life with digital Display Sensor based imbalance detection Electronic Safety Brake (on lid opening) <b><u>Standard Accessories included :</u></b> Interchangeable - PCR Strip Rotor (2 x 8 x 0.2 ml)</p>		<p>18000</p>

	Reduction Apators for 0.2/0.4 ml Microtubes		
<b>iShak UnoAP</b>	<p>Smallest footprint as small as the microplate itself</p> <p>Variable Speed setting from 200 to 1500 rpm</p> <p>Orbital diameter of 2 mm for proper mixing in all wells</p> <p>Inbuilt counterbalance for stable operation</p> <p>Universal power supply (100 to 230 V 50/60 hz)</p> <p>Rubber suction cups for firm surface grip</p> <p><b><u>Standard Accessories included:</u></b></p> <p>Interchangeable clamps to suit different types of Microplates</p>		<b>18000</b>
<b>iShak Uno VTAP</b>	<p>Smallest footprint as small as the microplate itself</p> <p>Variable Speed settign from 200 to 1500 rpm</p> <p>Orbital diameter of 2 mm for proper mixing in all wells</p> <p>Timer setting from 1 to 180 mins</p> <p>USB connectivity - GUI for remote operation &amp; save run data</p> <p>Inbuilt counterbalance for stable operation</p> <p>Universal power supply (100 to 230 V 50/60 hz)</p> <p><b><u>Standard Accessories included:</u></b></p> <p>Interchangeable clamps to suit different types of Microplates</p>		<b>20000</b>
<b>iStir UnoAP</b>	<p>Motorless - truly maintenance free with no moving parts</p> <p>Speed setting from 15 to 1500 rpm with speed indicator</p> <p>The slimmest stirrer - just 12 mm thickness</p> <p>Microprocessor controlled gradual speed accelaration</p> <p>Pulse mode feature - changes direction for proper mixing result</p> <p>SS top surface for corrosion resistance</p> <p>IP 64 complaint design</p> <p>800 ml capacity - suitable for stirrer bar upto 25 mm length -</p>		<b>13800</b>
<b>iFuge D06AP</b>	<p>6 Slot x 10/15 ml blood collection tubes</p> <p>Brushless DC motor for efficient performance with low noise (&gt;60 dB)</p> <p>Imbalance detection with Microprocessor (stores last run memory)</p> <p>Speed setting from 500 to 6500 rpm</p> <p>Timer setting from 30 secs to 30 mins</p> <p>Lid lock safety with auto pup up on run completion</p> <p>1 touch RPM ro RCF covenrsion</p> <p><b><u>Standard Accessories included:</u></b></p> <p>Adaptors for all blood collection tubes (7, 19, 5 and 2 ml tubes)</p>		<b>49300</b>
<b>iSwix JAPr</b>	<p>BLDC motor for maintenance free long life</p> <p>Orbital diameter for 4.5 mm</p> <p>Delivers 3500 rpm for quick mixing</p> <p>Smart suspension design for longer switch life</p> <p>Die cast heavy base for stable operation</p>		<b>9900</b>

	Lesser noise		
	Small footprint		

<b>Swix JrAP VT</b>	BLDC motor for maintenance free long life		<b>13500</b>
	Orbital diameter for 4.5 mm		
	Variable speed setting with Max 3500 rpm		
	Smart suspension design for longer switch life		
	Die cast heavy base for stable operation		
	Lesser noise		

**APS- 164: MEDIA FILLING PUMP(MADE IN GERMANY)**

- 1. Petri dishes
  - 2. Conical flasks
  - 3. Test tubes
  - 4. Storage jars
  - 5. All other possible containers
- Make : AHN GmbH
- Model**
- AH-PD100 : Victor S.S. (Max Flow rate - 450 ml/min)-Ideal for filling volume upto 50 ml -100 ml  
: 1ml,5ml,10ml,25ml
- AH-PD200 : Victor S.S. (Max Flow rate - 1200 ml/min) -Ideal for small volume as well as larger volumes from 100 ml up to 1 lit.  
: 5ml,25ml,100ml,500ml
- AH-PD300 : Max Flow rate - 2100 ml/min
- AH-PD400 : Max Flow rate - 3100 ml/min



MODEL	PRICE INR
(A) AH-PD100	<b>38000.00</b>
(B) AH-PD200	<b>45000.00</b>
(C) AH-PD300	<b>49000.00</b>
(D) AH-PD400	<b>55000.00</b>

**APS- 165:ELISA READER 96-WELL(MADE IN GERMANY)**

- \*Touch screen Large LCD display
  - \*Multiple plate formats capability
  - \*Extensive on-board data analysis
  - \*Choice of reading speed
  - \*Microplate shaking
  - \*10000 test results
- Make : AHN GmbH
- Model : AH584
- Plate type : 96-well plate or other plates
- Light source : 8V/20W Halogen lamp
- Wavelength range : 400-700nm
- Filters : 405, 450, 492, 630nm(4optional filters can be superadded)
- Accuracy :  $\leq \pm 0.01A$
- Repeatability :  $\leq 1.0\%$





linearity	: $\leq \pm 1.0\%$ (0~1.5A)	
Resolution	: 0.0001 Abs	
Reading speed	: 5 seconds single-wavelength (96 wells)	
Reading channel	: 8 channels	
Shaking	: high, middle, low speed selectable	
Display	: Large touch LCD	
Memory	: up to 10000 test results	
Printer	: Built-in printer or external printer	
Software	: 6.0VUrit	
Output	: RS-232 port	
Dimensions	: 460mm×320mm×210mm	
Weight	: 8kg	
<b>PRICE INR</b>		<b>180000.00</b>

**APS- 166:GRADIENT THERMAL CYCLER (MADE IN JAPAN)**

Make	: TAKARA JAPAN
Model	: BV20
Dimensions	: 260 (W) - 345 (D) - 260 (H) mm (with panel closed)
Weight	: 11.5 kg (actual unit)
Rated voltage	: 100 - 240 V, AC 50/60 Hz, 490 W
Temperature control mechanism	: Peltier element
Heating rate	: Maximum 3.0°C/sec
Cooling rate	: Maximum 2.0°C/sec
Temperature control range	: 4 - 99.9°C (0.1°C units)
Temperature accuracy	: $\pm 0.5^\circ\text{C}$
Temperature uniformity	: $\pm 0.5^\circ\text{C}$
Overshoot	: Within 0.5°C
Heat lid	: 110°C
Temperature extension *	: Maximum $\pm 9.9^\circ\text{C}$
Time extension *	: Maximum $\pm 9.59$ min
Number of samples	: 96 - 0.2 ml tubes or one 96-well tube plate
Display	: Blue / white dot matrix (LCD 240 - 60 dots)
Number of maximum programs stored	: 100
Maximum number of registered users	: 10
Gradient function**	: Adjustable range 40 - 75°C (temperature variance 6 - 20°C)
<b>* Touch down PCR</b>	
<b>** Gradient is set between the 1st and 12th rows (right end and left end rows) of heat block (96 wells).</b>	
<b>PRICE INR</b>	<b>350000.00</b>



**APS- 167:ELISA WASHER (MICRO PATE WASHER)(MADE IN GERMANY)**

*Compatible with U, V, or flat-bottom plates	
*Up to 50 wash protocols programmable	





<ul style="list-style-type: none"> <li>*Minimal residual volume (&lt;1uL/well)</li> <li>*Interchangeable manifolds for 8- and 12-well strips</li> <li>*Unattached absorb head and dispense head</li> <li>*Positive displacement pump with low noise</li> <li>*overflow washing and overflow protection</li> <li>*Automatic waste liquid warning</li> <li>*Bottom washing function</li> </ul> <p>           Make :AHN GmbH            Model : AH-EW670            Plate type : U, V or flat-bottom            Wash head : 8-probe or 12-probe            Wash programs :up to 50            Wash cycles : 1-20            Volume range :50-450u/well            Residual volume :&lt;1u/well            Dispense precision: CV&lt;2%            Soak Time :1-3660s tunable            Pause Time : 0-60s tunable            Absorbing Time :2-10s tunable            Shaking Time : 0-60s tunable            Software : 6.0EWVUrit            Display :240*128 LCD display            Keypad :8 touch keys            Output :RS-232 port         </p>	
<b>PRICE INR</b>	<b>190000.00</b>

APS-168: POWER SUPPLY(MADE IN GERMANY)				
Specification	PMPS Switch 100	PMPS Switch 200	PMPS 300 light	PMPS 300 Std.
Output Voltage(V)	50/100/150/200/250 SA	50/100/150/200/250 SA	0-300V	10-300V
Type of output	Constant voltage/Constant current			
Output current(mA)	100(Fixed)	200(Fixed)	0.100	4-400
Max. Power(W)	30	60	60	120
Number of outputs	2	2	4	4
Voltage setting resolution	-	-	1V	1V
Current setting resolution	-	-	1 mA	1mA
Max. ripple	1%	1%	1%	1%
Display for voltage	LED	LED	3 digit	3 digit
Display for current	-	-	3 digit	3 digit
Timer	-	-	1 mnt to 999 mnt	1 mnt to 999 mnt



Input supply	230V AC±10%			
Voltage regulation	1%			
Max. operating temperature	45°C ambient			
Weight	3 Kg	2 kg	3 Kg	3 Kg
<b>PRICE</b>	<b>6000.00</b>	<b>17200.00</b>	<b>24100.00</b>	<b>37400.00</b>



**PMPS 300 Light**



**PMPS 300 Std.**



**PMPS Switch 200**



**PMPS Switch 100**

**APS- 169:POWER SUPPLY PMPS-UNIVERSAL(MADE IN GERMANY)**

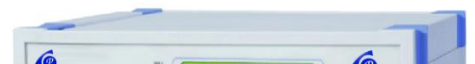
Output Voltage(V) :10-500 V  
 Type of output : Cont. voltage/Const. current  
 Output current(ma) : 0.1-0.5  
 Max. Power(W) : 500  
 Number of outputs : 4  
 Voltage setting resolution: 1 V  
 Current setting resolution: 0.001 A  
 Max. ripple : 1%  
 Display for voltage : 3 digit  
 Display for current : 3 digit  
 Timer : 1 mnt to 999 mnt  
 Input supply : 230V AC±10%  
 Voltage regulation : 1%  
 Max. operating temperature: 45°C ambient  
 Weight : 4 Kg



**PRICE INR** **69900.00**

**APS- 169:POWER SUPPLY PMPS- 5000 HV(MADE IN GERMANY)**

Output Voltage(V) : 20-5000V





Type of output	:Cont. voltage/Const. current
Output current(mA)	: 0.01- 500
Max. Power(W)	: 400
Number of outputs	: 4
Voltage setting resolution:	1 V upto 100V, 10V from 1000-5000V
Current setting resolution:	1 mA
Max. ripple	: 1%
Display for voltage	: 3 digit
Display for current	: 3 digit
Timer	: 1 mnt to 999 mnt
Input supply	: 230V AC±10%
Voltage regulation	: 1%
Max. oprt. Temperature:	45°C ambient
Weight	: 3 Kg
<b>PRICE INR</b>	<b>112000.00</b>

**APS- 170:POWER SUPPLY PMPS 500 STD. (MADE IN GERMANY)**

Output Voltage(V)	: 0-500 V
Type of output	: Cont. voltage/Const. current
Output current(mA)	: 0-500
Max. Power(W)	: 250
Number of outputs	: 4
Voltage setting resolution:	1 V
Current setting resolution:	1 mA
Max. ripple	: 1%
Display for voltage	: 3 digit
Display for current	: 3 digit
Timer	: 1 mnt to 999 mnt
Input supply	: 230V AC±10%
Voltage regulation	: 1%
Max. oprt. Temperature:	45°C ambient
Weight	: 3 Kg
<b>PRICE INR</b>	<b>95000.00</b>



**APS- 170A:POWER SUPPLY PMPS 250 HC(MADE IN GERMANY)**

Output Voltage(V)	: 0-250 V
Type of output	: Cont. voltage/Const. current
Output current(mA)	: 0-300
Max. Power(W)	: 300
Number of outputs	: 4
Voltage setting resolution:	1 V
Current setting resolution:	1 mA up to 999 mA & 10mA,from 1000-000 mA
Max. ripple	: 1%
Display for voltage	: 3 digit







Load regulation	< 1%at load change 10-90% of maximum load
Rippel	< 1% at 500V
Accuracy	Voltage :1%,±1 V      Current : 1%,±1 mA Power :2%,±1 W Timer :0.1%, ±1 min, 00:01-99.59 h 0.1%, ±10 min, 100-500 h
Output protection	Fully protected against any overload condition
Ambient operating temp	4-40°C
Ambient opt humidity	0-95%
Ambient opt pressure	84106 kPa according to GPR
Mains requirement	220-240v~; 50/60 Hz
Line regulation	< 0.2%
<b>PRICE</b>	<b>135000.00</b>

### APS-171: DIGITAL BURETTE (MADE IN GERMANY)

CAT NO	DESCRIPTION		UNIT PRICE
9954ER	2500µl per turn	1	72000.00
993321ER	5000µl per turn	1	68500.00




### APS-171A: BOTTLE TOP DISPENSER(MADE IN GERMANY)

Product Code	Volume range	Price
2011002	0.25 - 2.5	14960.00
2011005	0.5 - 5.0	14960.00
2011016	1.0 - 10.0	14960.00
2011020	2.50 - 30.0	24075.00
2011040	5.00 - 60.0	24075.00
2011100	10.0 - 100.0	28650.00




**APS-172: ELECTRONIC SINGLE CHANNEL PIPETTE (MAGNUMBIO)**


Product Code	Volume range( $\mu$ l)	Price
8-300-00-0	0.5-10	35000
8-301-00-1	2-20	35000
8-302-00-2	10-100	35000
8-303-00-3	20-200	35000


**APS-173: ELECTRONIC EIGHT CHANNEL PIPETTE (MAGNUMBIO)**


Product Code	Volume range( $\mu$ l)	Price
P-0012-10	0.5-10	49000
P-0012-20	2-20	49000
P-0012-200	10-200	49000
P-0012-1200	100-1200	49000


**APS-174: ELECTRONIC TWELVE CHANNEL PIPETTE (MAGNUMBIO)**

Product Code	Volume range( $\mu$ l)	Price
P-0013-10	0.5-10	55000
P-0013-20	2-20	55000
P-0013-200	10-200	55000
P-0013-1200	100-1200	55000



**APS-175: FULLY AUTOCLAVABLE PIPETTE (VARIABLE VOLUME) (MAGNUMBIO)**

Product Code	Volume range( $\mu$ l)	Price
AV-100	0.5-10	3500
AV-200	5-50	3500
AV-300	50-200	3500






AV-400	200-1000	3500
AV-500	10-100	3500
AV-600	100-1000	3500
AV-700	2-20	3500
AV-800	20-200	3500
AV-900	500-5000	3500
AAV-1000	500-10000	3500

APS- 176: ELECTRONIC PIPETTE DISPENSER (MGNUMBIO)	
<p>Make: APS Product Code: P-0014-M</p>	
<b>PRICE INR</b>	<b>11000.00</b>

APS-177:FULLY AUTOCLAVABLE MICROPIPETTEPIPETTE (VARIABLE VOLUME)(MADE IN GERMANY)			
Product Code	Volume range( $\mu$ l)	Increment ( $\mu$ l)	Price
SVA-125	0.1-2.5	0.002	11000.00
SVA-100	0.5-10	0.02	11000.00
Sva-200	5-50	0.1	11000.00
SVA-500	10-100	0.1	11000.00





SVA-600	100-1000	1	11000.00
SVA-700	2-20	0.02	11000.00
SVA-800	20-200	0.2	11000.00
SVA-905	500-5000	10	11000.00
SVA-1000	1000-10000	20	11000.00

**APS-178:FULLY AUTOCLAVABLE EIGHT CHANNEL PIPETTE (VARIABLE VOLUME)(MADE IN GERMANY)**

Product Code	Volume range( $\mu$ l)	Increment ( $\mu$ l)	Price
SMA8-010	0.5-10	0.02	22000.00
SMA8-020	2-20	0.02	22000.00
SMA8-050	5-50	0.1	22000.00
SMA8-100	10-100	0.1	22000.00
SMA8-200	20-200	0.2	22000.00
SMA8-300	30-300	0.2	22000.00



**LIQUID NITROGEN CYLINDER**

NO.	DESCRIPTION	QTY	PRICE
A	<b>LIQUID NITROGEN CONTAINERS</b> IBP Make liquid nitrogen Container-With following capacities		
1	0.90L capacity Container:Model-MWDS-1	1	27700.00
2	1.5L capacity Container:Model-BA-1.5(portable)	1	28100.00
3	1.5L capacity Container:Model-TA-1.5(Transport)	1	26500.00
4	2.2L capacity Container:Model-BA-2X	1	30600.00
5	3.9L capacity Container:Model-BA-3	1	35300.00
6	7.9L capacity Container:Model-BA-7	1	46800.00
7	11.6L capacity Container:Model-BA-11	1	50300.00
8	20.5L capacity Container:Model-BA-20	1	75200.00
9	23.5L capacity Container:Model-BA-23	1	82900.00





10	33.3L capacity Container:Model-BA-35	1	87600.00
11	33.3L capacity Container:Model-TA-35	1	98160.00
12	41.4L capacity Container:Model-BA-42	1	109800.00
13	47.3L capacity Container: Model-Model jumbo-12	1	91100.00
14	25.5L capacity Container:Model-TA-26	1	67900.00
15	51.5L capacity Container:Model-TA-55	1	76500.00

## WEIGHING BALANCE RANGE PRODUCT FROM AHN GERMANY

### BALANCE RANGE 0.01 mg

- \*Fully Automatic Internal Calibration with built in weight.
- \*A built in under hook for below weighing.
- \*Easy to read VFD (Vacuum Fluorescent display) Display.
- \*Density measurement for solid and liquid.
- \*Standard RS 232C Interface
- \*High Resolution, Quick Weighing, Accurate Result
- \*Based on E.M.F.C Technology
- \*S.S. Weighing Pan, Level Indicator, Adjustable fit,
- \*Tare Range up to max. Capacity of the balance.
- \*Conforms to ISO 9001 standards.
- \*Pan Size : 90 mm
- \*Response Time : 4 – 5 sec
- \*Calibration : Automatic Internal
- \*Tare Range : Full
- \*Operating Temp. :15o C to 35o C







*Housing Dimension :195X275X406mm				
*Weight Approx : 6.7 kg				
*Power Supply :AC Adaptor 220V or 50-60 Hz				
CAT NO.	READABILITY (mg)	CAPACITY (gm)	INTERNAL CALIBRATION	PRICE INR
AH-SM-182B	0.01/0.1	30/120	YES	149500.00
AH-SM-282B	0.01/0.1	82/220	YES	188500.00

### BALANCE RANGE 0.1 mg

- \*Automatic External/Internal Calibration
- \*Easy to read LCD Display with Back Light
- \*Multifunction weighing unit as like g, ct, GSM, etc.
- \*Full Tare Range up to Max. Capacity of the balance
- \*Counting Weighing function
- \*Standard RS 232 Interface
- \*Inbuilt Rechargeable Battery for continuous use
- \*Zero Tracking function
- \*Low battery Indication
- \*S.S. Weighing Pan, Level Indicator, Adjustable Fit



CAT NO.	READABILITY (mg)	CAPACITY (gm)	EXTERNAL CALIBRATION	INTERNAL CALIBRATION
AH-PB-60	0.1	60	56600.00	67800.00
AH-PB-120	0.1	120	61500.00	71600.00
AH-PB-220	0.1	220	66600.00	74750.00

### BALANCE RANGE 1 mg

- \*Multifunction Weighing Units
- \*A built in under hook for below weighing
- \*Easy to read VFD Display
- \*Standard RS 232 C Interface
- \*High Resolution, Quick Weighing, Accurate Result
- \*Based on E.M.F.C. Technology
- \*S.S. Weighing Pan, Level Indicator, Adjustable Fit
- \*Tare range up to max. Capacity of the Balance
- \*Counting Weighing Mode



CAT NO.	READABILITY (mg)	CAPACITY (gm)	EXTERNAL CALIBRATION	INTERNAL CALIBRATION
AH-B-220J	1	220	30400.00	55600.00
AH-B-320J	1	320	37500.00	62900.00
AH-B-360J	1	360	66800.00	92700.00
AH-B-510J	1	510	73600.00	100600.00
AH-B-600J	1	600	80800.00	106200.00



<b>AH-B-750J</b>	<b>1</b>	<b>750</b>	<b>86400.00</b>	<b>110900.00</b>
<b>AH-B-1000J</b>	<b>1</b>	<b>1000</b>	<b>110400.00</b>	<b>153600.00</b>

<b>ADD ON FEATURE IN BALANCE</b>	<b>PRICE</b>
GLP/GMP COMPLIANCE	5200.00
MINI PRINTER (THERMAL)	18000.00
DENSITY MEASUREMENT KIT FOR SOLID (DIRECT LOADING)	8050.00
DENSITY MEASUREMENT KIT FOR LIQUID(DIRECT LOADING)	10900.00
DENSITY MEASUREMENT KIT FOR SOLID (INDIRECT LOADING)	10900.00
DENSITY MEASUREMENT KIT FOR LIQUID(INDIRECT LOADING)	13200.00
BATTERY BACK UP UNIT	2900.00
BREEZE SHIELD	6000.00
RS232 INTERFERENCE CABLE (3 m)	300.00

## CONTROLLER FOR INSTRUMENTS

<b>ADD ON FEATURE IN CONTROLLER</b>	<b>PRICE</b>
JUMBO GRAPHIC LCD (BLUE SCREEN) DISPLAY CUM CONTROLLER	12000.00
PC INTERFERENCE (RS232PORT)	5200.00
DIGITAL TEMPERATURE INDICATOR CUM CONTROLLER	8000.00
DIGITAL RPM	5000.00
DIGITAL TEMPERATURE DISPLAY	4500.00
PRINTER ATTACHMENT	8000.00
PROGRAMMING ( 9 PROGRAM)	9000.00
LED CONTROLLER FOR LAMINAR/FUME HOOD/BIOSAFETY	18000.00
LIGHT CONTROLLING SYSTEM	8000.00
LUX CONTROLLING SYSTEM (10-100%)	23000.00

## MICROSCOPE RANGE (MAKE: ACCU SCOPE ,USA )

<b>MODEL NO.</b>	<b>PRICE</b>
MONO LAB	23900.00
MONO LAB PLUS	28300.00
BH-ALPHA	31900.00
BH-ALPHA PLUS	63800.00
SUPREME	75400.00
ULTRA	89900.00
ULTRA-T	97200.00
STAR	100000.00
REO	92800.00
REO PLUS	109000.00
BOLD	261000.00
BOLD PLUS	304500.00
ALPHA PENTA	348000.00
STAR PENTA	681500.00
FLUREO LED	282800.00
FLUREO	261000.00



STAR-FL	652500.00
REO-FL	710500.00
BOLD-FL	797500.00
ULTRA DUAL	275500.00
MEGNA-I	65300.00
MEGNA-II	79800.00
MEGNA-III	160000.00
MEGNA-IV	203000.00
MEGNA-V	275500.00
MEGNA-VI	319000.00
MEGNA MASTER	160000.00
MET-STAR	203000.00
DIGI SUPREME	362500.00
DIGI-REO	391500.00
UNIVERSAL PX4 (ADVANCE INVERTED MICROSCOPE)	652500.00

## MICROSCOPIC OBJECTIVES

S.NO	PARTICULARS	PRICE
1.	Infinity Objectives	48000.00
2.	Plan Achromatic	35000.00
3.	Semi plan achromatic	32000.00
4.	Achromatic	28000.00
5.	Trinocular Head	18000.00

## MICROSCOPIC CAMERA RANGE

MODEL NO.	PRICE
API 330- MICROSCOPIC CAMERA	22000.00
API 510- MICROSCOPIC CAMERA	32000.00
API 810-MICROSCOPIC CAMERA	42000.00
API 330C- COOLED CCD CAMERA	120000.00
APGI 2000- DIGITAL PROJECTION MICROSCOPIC CAMERA	36000.00
APGI 3000- DIGITAL PROJECTION MICROSCOPIC CAMERA	55000.00
APGI 2000 DUAL- DIGITAL PROJECTION MICROSCOPIC CAMERA DUAL	65000.00
APGI 5000- DIGITAL PROJECTION MICROSCOPIC CAMERA	80000.00
MICROSCOPIC SOFTWARE (WITH COUNT AND MEASUREMENT FEATURES)	32000.00
MICROSCOPIC SOFTWARE (WITHOUT COUNT AND MEASUREMENT FEATURES)	24000.00

## MICROSCOPIC SOFTWARE RANGE

MODEL NO.	PRICE
MICROSCOPIC SOFTWARE (WITH COUNT AND MEASUREMENT FEATURES)	32000.00
MICROSCOPIC SOFTWARE (WITHOUT COUNT AND MEASUREMENT FEATURES)	24000.00



## HOSPITAL RANGE

### APS-001 : AIR SHOWER

Air velocity : 30 ±0.5meter

Operation Time (adjustable) : 0-9,990 second

Pre Filter : Washable pre-filter unit (Non-Woven-Synthetic Pollster)

HEPA Filter : Glass pleated non-woven fabric filter having99.99% efficiency 0.3 Micron particle size

Air Flow : Multi Directional

Air Flow Control: Solid State Control Unit

Blower Assembly: Centrifugal lubricated bearing type ISI marked assembly

Illumination : Glaze free white light illumination greaterthan 800 lux on work table

Noise Level : Noise level less than 60 db

Add on features: Sequential feature operation by door matmagnetic switch.

Power Requirements : 500 watts-950 watts

Nominal voltage: 220-230 volts, 50 Hz Single Phase

Frequency : 50/60

**\*\*Customized size are available on requirement**

DIMENSIONS	OUTER G.S.	DELUXE S.S.
(A) 3x3x7ft	165000.00	190000.00
(B) 4x3x7ft	181000.00	245000.00
OPTIONAL ACCESSORIES:		PRICE (INR)
HEPA filter Choking Alarm Sensor		<b>15000.00</b>
Air Velocity Display LCD		<b>15000.00</b>



APS-002 : AIR CURTAIN		
Velocity	: 15-18 m/s	
RPM	: 2600	
Motor Blower	: CG Hindustan	
Noise level	: less than 70 db	
Power supply	: 220 VAC, single phase	
DIMENSIONS	OUTER M.S.	DELUXE S.S.
(A) 1200 mm	17000.00	23000.00
(B) 1500 mm	20000.00	26000.00
(C) 1800 mm	24000.00	30000.00



APS-003 : PASS BOX- STATIC TYPE		
Fluorescent light	: 8/20w, with milky diffuser	
U.V. light	: 8/15w,	
Look	: 12volt	
Buzzer	: 12volt	
Indicator	: 12volt	
Three pin top	: 16amps. With connection cabal	
Door	: Sandwiched door with double side view panel with polycarbonate sheet and electromagnetic interlock	
Confirmation	: ISO 9001:2008	
DIMENSIONS	OUTER M.S.	DELUXE S.S.
(A) 18X18X18 INCH	30600.00	36800.00
(B) 24X24X24 INCH	37400.00	41800.00
(C) 24X24X36 INCH	52700.00	66400.00



APS-004 : COLONY COUNTER	
<p>Mounted in a stainless steel cabinet and Fitted with automatic 4 digits LED Digital Display.</p> <p>Counting plate with illuminated standard wolf hugel ruling ensures clarity differentiated and sharply defined colonies.</p> <p>Each touch of marking pencil in the digitis increments the colony count by '1' and the glowing LED Display depicts the total colony count.</p> <p>Maximum colony count possible upto 9999 Provided with a manual reset of digital display, ON/OFF Switch, counting plate, 100 mm. dia lens, cord and plug.</p> <p>To work on 220 V.A.C.</p>	
PRICE INR	10000.00





**\*\*TERMS AND CONDITION:**

1. Customize product can be manufactured as per customer requirement eg: Any engineered fabricated project ( Fermenter, Protein purification membrane based , Algal Culture ponds , Stirred Cells , Clarificator etc)
2. Price quoted are Ex-work Pune
3. Transport & packing charges will be extra as per actual basis
4. CST/VAT as applicable at the time supply will be extra
5. Excise duty, octroi taxes, toll taxes entry taxes, loading and unloading and commissioning will be charges extra as applicable or in case of exception the certificate will be provided by the customer end.
6. Incidental charges will be paid by customer site as per actual.
7. Company reserves the right to change the design and specification of machine without prior information for development purpose.