

Biocraft's Electrical Apparatus

“We Stand Guarantee Against any Manufacturing & Mechanical Defect of All our Laboratory Electrical Apparatus and Ensure Their Life Long Service

BEA-1 **Craft's Rectangular Muffle Furnace**—Light weight with ceramic fibre wool insulation. Working temperature 950°C or 1150°C. Heating elements are made of canthal wire. Temperature is controlled by Digital Temperature Indicator cum Controller.

Muffle size (inside)	Rating	Temp. 900°C with Digital Controller	Temp. 1100°C Digital
(A) 9"×4"×4"	1.5 kw	Rs. 14,500	Rs. 18,500
(B) 10"×5"×5"	3.0 kw	Rs. 17,800	Rs. 21,500
(C) 12"×6"×6"	3.5 kw	Rs. 24,000	Rs. 28,000

Note—High Temperature M furnace with Max. Temp. 1200°C and 1500°C will be quoted on request.

BEA-2 **Craft's Heating Mantles** (made of Glass yarn)—To work on 220/230 volts A.C. heating upto 400°C

Capacity	Rating	With Energy Regulator
500 ml.	200 watt	Rs. 1,700
1 lit.	300 watt	Rs. 1,900
2 lit.	450 watt	Rs. 2,200
3 lit.	450 watt	Rs. 2,500
5 lit.	600 watt	Rs. 3,700
10 lit.	2x500 watt	Rs. 6,500

BEA-3 **Craft's Oven Universal**—German Pattern. Double walled inside made of thick anodized aluminium or stainless steel and out side of steel in durable white enamel. The gap 3" between two walls is filled with glass wool.

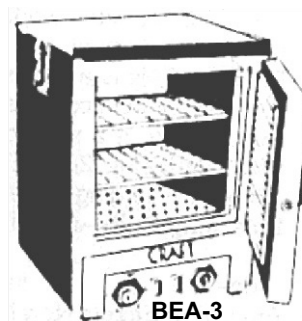
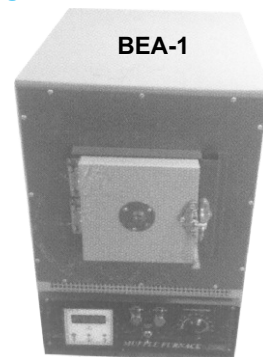
Heating elements are placed in ribs at the bottom and sides. Adjustable air ventilators are also provided along with Built in Horizontal 'L' shape thermometer. The temperature is controlled by *bimetalic thermostat* from room temperature to 253°C, with sensitivity $\pm 1^\circ\text{C}$. Supplied complete with two removable shelves.

Working Space Size W. H. D.	Capacity	Memmert German type with very sensitive thermostat Model HT	Stainless steel Memmert type Model HT
A 300×300×300 mm	28 Lit	Rs. 8,230	Rs. 10,400
B 355×355×355 mm	45 Lit	Rs. 8,690	Rs. 11,300
C 455×455×455 mm	95 Lit	Rs. 12,300	Rs. 16,200
D 455×605×465 mm	125 Lit	Rs. 15,400	Rs. 20,300
E 605×605×605 mm	224 Lit	Rs. 20,700	Rs. 26,900

Note—Optional accessories for ovens and incubators

- Digital temperature controller cum indicator for all sizes
- Air Circulating Fan
- Digital Timer
- Mechanical Timer
- PID Temperature Controller cum Indicator

Rs. 6,200
Rs. 3,600
Rs. 5,300
Rs. 2,350
Rs. 8,200



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BEA-4 Crafts Incubator Universal—Double walled inside made of thick anodized aluminium or stainless steel, out-side of Mild steel sheet furnished in durable White Enamel. The gap of 3" between two walls is filled with glass wool, the door has double viewing to permit observation without disturbing thermal conduction. Heating elements are placed in ribs at the bottom and sides. Two adjustable air ventilators are placed near the top of the sides. Built in horizontal 'L' shaped thermometer. The temperature is controlled by a precision thermostat from room temperature to 110°C with sensitivity of plus minus 0.5°C. Supplied with perforated shelves.

	Working Space Size W. H. D.	Capacity	Memmert German type with very sensitive Imported thermostat Model HT	Stainless steel Memmert type Model HT
A	300×300×300 mm	28 Lit	Rs. 8,300	Rs. 10,600
B	355×355×355 mm	45 Lit	Rs. 8,980	Rs. 12,000
C	455×455×455 mm	95 Lit	Rs. 12,600	Rs. 16,700
D	455×605×465 mm	125 Lit	Rs. 16,700	Rs. 18,800
E	605×605×605 mm	224 Lit	Rs. 22,800	Rs. 28,200

Optional Accessories for Oven or Incubators

- Digital Temperature Controller cum Indicator in place of thermometer **Rs. 6,200**
- Air Circulating Fan **Rs. 3,600**
- PID Temperature Controller cum Indicator **Rs. 8,200**

BEA-5 Craft's Hot plates—(Rectangular)-It is made of thick iron machined to smooth and levelled surface. It is provided with three heat rotary switches and indicator lamp which work on 220/230 volts.

- | | |
|--------------------------|------------------|
| A. 30×25 cm (10"×12"×6") | Rs. 2,600 |
| B. 40×25 cm (10"×16"×6") | Rs. 3,580 |
| C. 45×30 cm (12"×18"×6") | Rs. 4,680 |

BEA-6 Craft's Hot Plates—Delux with energy regulator

- | | |
|---------------|------------------|
| A. 10"×12"×6" | Rs. 4,260 |
| B. 16"×10"×6" | Rs. 5,800 |
| C. 18"×12"×6" | Rs. 7,900 |

BEA-7 Craft's Hot plate round 8 diameter workable 220/230 volts. — Single **Rs. 1,550**

BEA-7A Craft's Hot plate round 8 dia delux heavy duty **Rs. 2,750**

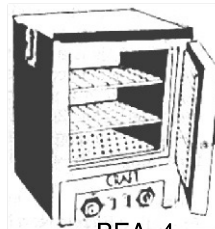
BEA-8 Craft's Slide warming table with thermostat

- | | |
|-------------------|-----------------------|
| A. 10" × 12" × 6" | Rs. 2,300 each |
| B. 10" × 16" × 6" | Rs. 3,100 each |

BEA-8A Craft's Slide warming table delux model **Rs. 4,400**

BEA-10 Craft's Egg Incubator (Poultry)—Double walled chamber made of aluminium. Double glass door and eggs trays are specially designed to accommodate eggs and for tilting movement. Temperature controlled by capillary imported thermostat from 5°C above room temperature to 70°C.

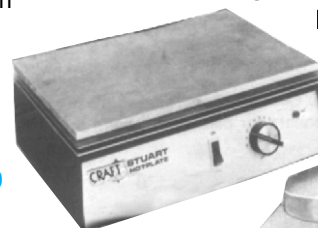
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|--|------------------------|
| Capacity 50 Eggs | Rs. 31,000 each |
| 100 Eggs | Rs. 41,500 each |
| Capacity 50 Eggs with Humidity Control Unit | Rs. 35,000 |
| Capacity 100 Eggs with Humidity Control Unit | Rs. 44,500 |



BEA-4



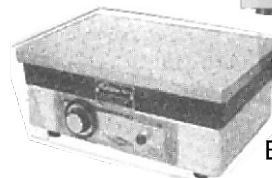
STAINLESS STEEL
BEA-4



BEA-5



BEA-7



BEA-6



BEA-8A

Biocraft's Electrical Apparatus

BEA-19 **Craft's Vacuum Pump**—Single stage/Double stage, Gallen kemp English type and oil lubricated pump mounted on base with directly coupled, 1/4 H.P. motor suitable for long periods of operation.

Technical Data—Maximum pressure : 1.3 kg/cm; Vacuum : 24.26; Displacement of Air : 45.50 ; For 220/230 volts 50 cycles single phase supplies. Single Stage. Pressure 25 Lit.

Rs. 14,500

BEA-20 **Craft Vacuum cum Low Pressure Pump**—Mono-block. Compact belt less model. Capacity 45 liters/min. fitted with 1/4 H.P. motor

Rs. 9,300

BEA-21 **Craft's Autoclave verticle Portable Model**—Made of aluminium alloy Nickel Plated, complete with pressure gauge, safety valve and steam release valve working pressure 15 lbs. fitted with immersion heater.. With stand size 12" dia × 12".

Rs. 5,700 each

BEA-22 **Craft's stainless steel portable autoclave**—Total made of heavy stainless steel and improved design designed. Complete with doubled safety valve and metal knobs

Rs. 7,500 each

BEA-23 **Craft's Vertical Autoclave—College grade**—Stainless steel. Provided with pressure gauge, pressure relase valve, safety valve etc. Size 550×250 m double walled

Rs. 16,400

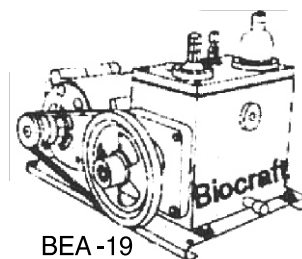
BEA-24 **Craft's Vertical Research autoclave (Economy Model)**—Double walled—Outer chamber is made of thick mild steel duly painted. The inner chamber is made of high grade stainless steel the lid is made of mild steel lined with stainless steel. The unit is fitted with **radial locking system, paddle lifting device**, built in safety valve pressure gauge, release valve and waer level indicator. **Pressure is adjustable from 5 psi to 20 psi.** Supplied with S.S. basket.

	Outer MS	Outer SS
	Inner SS	Inner SS

- | | | | | |
|-----|------------|------------|-------------------|-------------------|
| (A) | 450×250 mm | — 22 lit. | Rs. 45950 | Rs. 55800 |
| (B) | 500×300 mm | — 40 lit. | Rs. 49700 | Rs. 60270 |
| (C) | 550×350 mm | — 50 lit. | Rs. 59300 | Rs. 73200 |
| (D) | 600×450 mm | — 78 lit. | Rs. 80100 | Rs. 96200 |
| (E) | 750×550 mm | — 152 lit. | Rs. 110250 | Rs. 131200 |

BEA-25 **Craft Vertical Research Autoclave (Deluxe)**—Inner and outer chamber is made of high grade stainless steel, lid is also of heavy stainless steel and unit is fitted with radial locking system, paddle lifting device. Supplied with S.S. basket and automatic pressure control switch which controls the pressure from 5 psi to 20 psi with an accuracy of ±1 psi. Also provide with safety valve, pressure release valve, water level indicator, cord & plug.

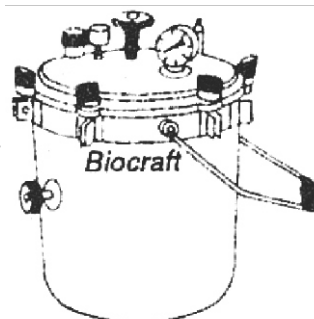
1. 450 × 250 mm — 22 lit. **Rs. 70875**
2. 500 × 300 mm — 40 lit. **Rs. 77200**
3. 600 × 450 mm — 78 lit. **Rs. 123150**



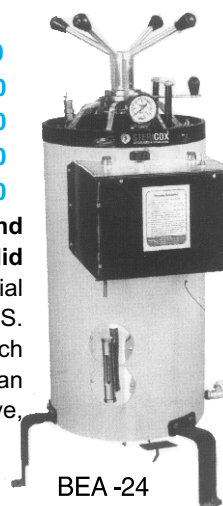
BEA-19
VACUUM
PUMP



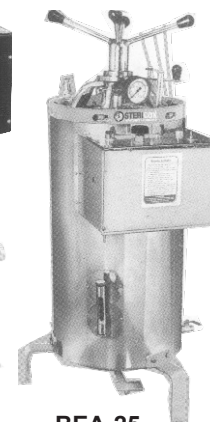
BEA-20



BEA-21
PORTABLE
AUTOCLAVE



BEA-24



BEA-25

Biocraft's Electrical Apparatus

BEA-25A Crafts Horizontal Triple Walled (Cylindrical) Autoclave—All the three walled and lids are made of stainless steel. The total unit is fully fitted with highly efficient M.S. Painted Rings. The pressure is controlled by Automatic Pressure Control Switch.

Size 400 × 600 mm 550 × 750 mm
 Price **Rs. 3,89,200** **Rs. 4,70,400**

Research and Refrigerated Centrifuge Machines

BEA-26A (T-12) Craft's Micro centrifuge with stepless speed controller, illuminated switch, 0-99 min, digital preset timer with by pass switch and digital speed indicator, max. speed 16,000 RPM, MaxRCF 17,600 xg with rotator head 24×1.5 ml or 16×1 ml angle rotar head with round bottom polypropylene tube. **Rs. 27,200**

BEA-26B (T-24) Craft's High speed Table top Research Centrifuge—With stepless speed controller, digital speed meter 0-99 min. Digital timer cum indicator with bypass switch, dynamic brake, zero start interlock switch, imbalance safety device, see through acrylic lid and lid loading switch max speed 16,000 RPM, Max. RCF 30,500 × g supplied with 8×15 or 24×1.5 ml and angle rotar head with sterilisable epoxy coating and see through lid with 8 Nos. polypropylene tube. **Rs. 74,800**

BEA-26C Refrigerated Micro Centrifuge (T-60)—Bench top Micro Centrifuge with stepless speed control, digital speed meter, preset digital timer, with bypass switch, lid lock, imbalance safety device. CFC free cooling with digital temperature. Maximum speed 16,000 RPM. Temperature range -10°C to +40°C. Complete with see through Acrylic lid and Polypropylene tubes. Rotar 24×1.5 ml or 12×1.5 ml **Rs. 1,26,000**

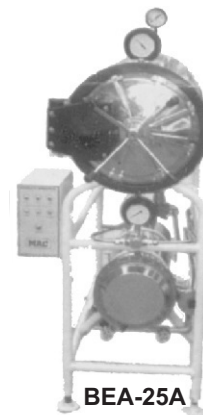
BEA-27 Craft's General Purpose Centrifuge (Square Design)—With a powerful universal motor the centrifuge machine is supplied with swing out head and a built multistage speed regulator. Speed 5000 RPM maximum.

- A. Centrifuge Machine With Four Tubes with timer **Rs. 5,960**
- B. Centrifuge Machine with Eight Tubes with timer **Rs. 6,265**
- C. Centrifuge Machine with Twelve Tubes with timer **Rs. 7,030**
- D. Centrifuge Machine with Sixteen Tubes with timer **Rs. 7,500**

BEA-28 Hand centrifuge machine—Hand operated having very smooth movement for Export Quality

Two tubes — **Rs. 840** Four Tubes — **Rs. 910**

BEA-29 Craft's Medico centrifuge—It is designed with consideration of safety reliability, utility and high efficiency. The machine is supplied with a built in multi stage speed regulator complete with plastic tubes and glass tubes. Capacity 4×15 ml. 3500 RPM swing out head. **Rs. 2,100 each**



BEA-25A



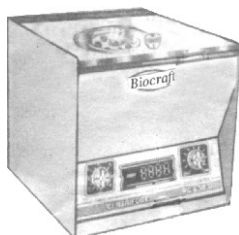
BEA-26A



BEA-26B



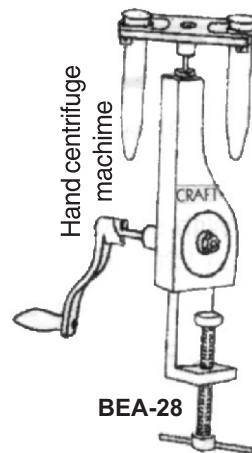
BEA-26C



BEA-27



BEA-29



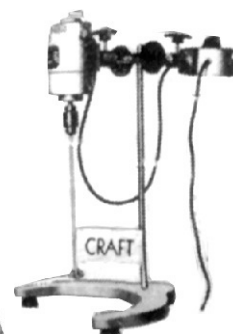
BEA-28

Biocraft's Electrical Apparatus

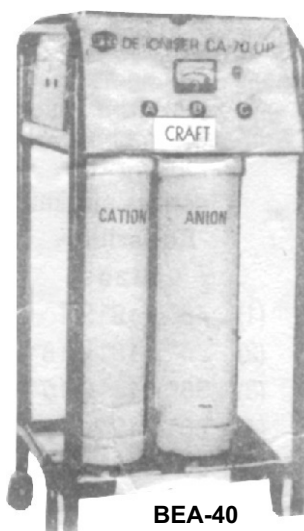
- BEA-30 **Craft's Biolab Laboratory mixer (Mixi)**—Very useful in laboratory for rapid preparation of homogenous pulplike or semi-liquid sample. Complete with a jar and stainless steel blending assembly. Capacity 1,000 ml. Standard quality
Rs. 2,900 each
- BEA-31 **Craft's Tissue Teflon homogenizers** (Electrically operated)—Fitted with 1/20 HP motor having 4000 RPM which are controlled by ten speed regulator to work on 220/230 volts. The grinding head is attached to a stainless steel rod. Teflon pestle has a smooth waxy surface.
 Working capacity 10 ml 30 ml
Rs. 5,700 **Rs. 5,900**
- BEA-32 **Laboratory Stirrer**—fitted with speed regulator **Rs. 5,500**
- BEA-34 **Craft's Hot and Cold air blower**—Most superior with guarantee. **Rs. 750** each
 Imported Heavy duty **Rs. 1,150** each
- BEA-35 **Craft's Water Bath Incubator Shaker (Metabolic Shaking Incubator)**—Small and large capacity Bath Top Dome shape cover avoid evaporation of water and make condensed water to fall back in the Bath Heater element and other walled with 304 grade S. steel for years of life and easy of daily clean drain plug made of brass duly nickled on the side/back of the bath full feature with digital temperature controller cum indicator or microprocessor based PID temperature controller cum indicator shaking speed regulator/shaking riding on teflon roller. Gear motor speed control range from 40-180 strike per minute removable diffuser plate having lotus clamps for various of flask capacity available.
- | Dimension | Capacity | Price |
|--|-----------|--------------------|
| A. 275 × 275 × 150 mm (9 flask of 250 ml) | 14 litres | Rs. 61,5000 |
| B. 405 × 300 × 150 mm (12 flask of 250 ml) | 26 litres | Rs. 71,0000 |
- BEA-40 **Craft's Water treatment plant (Deionizer)**—(Distillation plant)- It provides chemically pure water with quality of multiple distilled water in a abundance capacity 70/100 liter per hour. Equipment is provided with conductivity meter which tests the purity of water. No electricity is required for operation, high capacity resins with built in filters. It treats water having solids upto 1200 PPM. Complete with operation manual.
- | | |
|---------------------|--------------------|
| Capacity | with digital meter |
| 70 liters per hour | Rs. 18,800 |
| 100 liters per hour | Rs. 19,750 |
- BEA-41A Cation Ion Exchange Resin **Rs. 375** per liter
- BEA-41B Anion Ion Exchange Resin **Rs. 850** per liter
- BEA-42 **'Crafts' Seed Germinator**—Single chamber. Most suitable for conducting experiments on variety of seeds under different conditions of temp. and humidity. Inner size 555×910×605 mm S.S. interior having 6 nos. Adjustable shelves. Tabular heaters are fitted. Windowed front glass door outer inner full view acrylic door enabling to keep temp. and humidity level un-interrupted. Full feature digital temp. controller cum indicator with voltmeter stainless steel with 14 trays. **Rs. 1,27,500**



BEA-30



BEA-31



BEA-40



BEA-42

BEA-42

Biocraft's Electrical Apparatus

BEA-43 **Craft's Digital BOD Incubator**—The unit is highly suitable for work at temperature below as well as above the ambient. Craft's BOD Incubators are being also used for *Environmental study and growth chambers by incorporating lighting and humidification systems.*

Craft's BOD Incubator—Special features—DIGITAL Temperature Control

- Temperature range 5-50°C, uniform cooling with cooling coils embedded in the walls. Temperature uniformity upto 0.5°C. Opening uniformity at 20°C + 1°C.
- Forced air circulation ensures uniformity of the temperature.
- Sensitive thermostatic temperature control. A safety thermostat cuts out heaters in the event of failure of automatic heat control.
- Sturdy refrigeration unit working in conjunction with a low wattage heater for BOD work.
- Three perforated removable shelves.
- Full view inner glass door permit inspection of specimens without disturbing the temperature etc.
- Solid state electronic digital temperature cum controller with accuracy of ± 0.5 c

(A) BOD 6.1 cu.ft. 800×500×415mm stainless steel inner capacity 170 liter **Rs. 64,500**

(B) BOD 10 cu.ft. 865×565×550mm S.S Inner capacity 280 liter **Rs. 75,400**

(C) BOD 12 cu.ft. 900×650×550mm S.S Inner capacity 340 liter **Rs. 80,800**

Note : Always use Voltage Stabilizer with B.O.D.

BEA-46 **Humidity/Stability combined**— (Heating) Double walled inside made of stainless steel and outer of mild steel duly powder coated. Temperature controlled by Thermostat from ambient to 45°C. The humidity is controlled by imported humidistat from atmospheric humidity to 95%. Humidity is created by steam injection method with inlet, outlet and over flow nozzle. Which creates a mist of aerosol particles which remains suspended in the chamber. Interior (mm) 450×450×700 (18"×18"×28") capacity (Liter) 147 Shelves 2 Stainless Steel

Rs. 67,900

Optional Accessories :

(A) Digital Temperature Controller for dry temperature **Rs. 7,500**

(B) Digital Humidity (RH) controller **Rs. 21,000**

BEA-47 **'Craft Vortex Mixer**—(Test tube mixer) **Rs. 4,280**

BEA-48 **'Craft' Shaking Machine**—for flasks (wrist action) for four flasks. **Rs. 14,200** each

BEA-52 **Craft's Seitz filter (Bacteriological)**—
Capacity **Stainless Steel**

(a) 6 cm Pad 100 ml **Rs. 4,600**

(b) 7.5 cm Pad 250 ml **Rs. 6,850**



BEA-47

BEA-52
SEITZ FILTER

Biocraft's Electrical Apparatus

BEA-53 **'Craft' BOMB CALORIMETER DIGITAL**—With safety device. For determination of heat combination, calorific value and sulphur content of solid and liquid fluids. It is supplied with bomb and calorimeter vessel, water jacket, nichrome ignition wire, with **digital firing unit** and instruction manual **Rs. 58,500**

BEA-54 **Craft's Melting Point Apparatus**—Electrical **Rs. 2,600**

BEA-54A **Digital Melting Point Apparatus** with in-built silicon oil bath and stirrer. Adjustable heating rate and stirrer speed. Range upto 275°C with readability of 1°C **Rs. 37,000**

BEA-55 **Craft's Electrical Instrument Sterilizer** Stainless Steel with Heating element fitted

12"×6"×3" — **Rs. 2,500**

16"×8"×6" — **Rs. 3,300**

BEA-56 **Craft's Anerobic Culture Jar**—Transparent polycarbonate Anaerobic Culture Jar of 3.5 lit. capacity with Aluminium lid fitted with pressure valve, vacuum valve, safety valve and compound pressure cum vacuume gauge. It is supplied with petri plate and test tube s.s. carrier. **Rs. 11,300**

BEA-59 **Craft's Rotary Flask Shaker**—It is a compact bench type table top fitted with rubber discs mounted on ball bearings giving orbital motion

Platform size 45×45 cm 45×45 cm 45×45 cm

Motor 0.25 HP 0.25 HP 0.25 HP

Capacity 25 flasks 16 flasks 9 flasks

 100 ml 250 ml 500 ml

Variable speed **Rs. 24,500** **24,500** **24,500**

BEA-60 **Craft's Humidifier S.S. Body**—Capacity-5 litre. Based on the rotating disc-splash plate principal. It is capable of atomizing upto 3 litre of water in an hour complete with control Box with Humidistat. **Rs. 16,900**

BEA-61 **Rotary Vacuum Evaporator (Buchi Type) Variable Speed**—App. consists of an evaporation flask rotated by a heavy duty motor. Vacuum distillation of solvent at high and low temperature is achieved quickly by variable speed motor. Complete with unit fitted with a quick action jack. **Rs. 41,800**

BEA-61A **Rotary Vacuum Evaporator** same as above but with temperature controlled water bath **Rs. 44,700**

BEA-63 **GOXHLET EXTRACTION Apparus**—E.R. Controlled

Unit of 3 tests **Rs. 8,200**

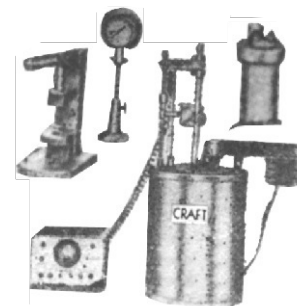
Unit of 6 tests **Rs. 11,800**

BEA-64 **KJEDAHL Digestion Unit-Fitted** with

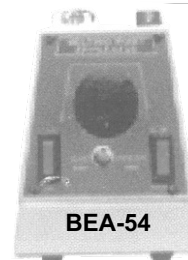
Energy regulators, Mentle type (w/o Glass Parts)

Unit of 3 tests **Rs. 9,900**

Unit of 6 tests **Rs. 12,100**



BEA-53



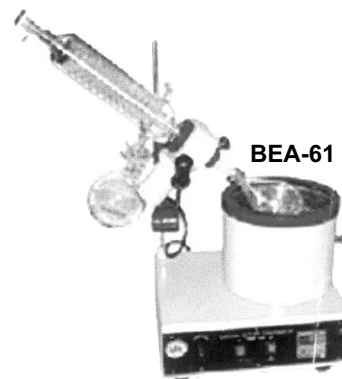
BEA-54



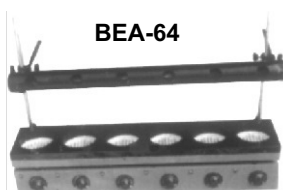
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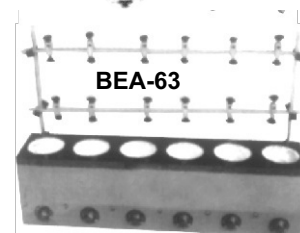
BEA-56



BEA-61



BEA-64



BEA-63

Biocraft's Electrical Apparatus

BEA-66 **Craft's Deep Freezers**—Low temperature horizontal cabinet 'Blue-Star' made. Robust construction for heavy duty use. Corrosion resistant body made of precoated sheet. Tropicalised for high sub-continental ambients. Lid can be locked for safety. Heavy duty castors for movements. High density PUF insulation for better holding tune temperature controlled by digital electronic temperature indicator cum controller. In the chamber temperature upto minus 18°C (-18°C).

Dimensions— 645×495×850 (100 lit.)
 725×610×850 (200 lit.)

Rs. 35,850

Rs. 42,260

BEA-68 **Craft's Ultrasonic Cleaning Bath (Sonicator)**—Specially designed for rapid cleaning, mixing small/large parts/instrumnets with microcontroller based digital timer with mosfet base technology.

Inner chamber SS Capacity 3.5 lit. For temperature range to 50°C frequency 40 KHz. Auto degassing

Rs. 31,900

BEA-82 **Craft's Tissue Culture Rack** fitted with switches and 0-24 Hrs. timer made of mild steel duly painted. Rack size 48 × 21 (Depth) is covered with thick ubreakable plexi-Glass. Each rack fitted with 4 fluourescent tubes and four bulbs. It is a unit with four shelf. Each shelf with one U.V. tube for stgerilization purpose.

Rs. 54,200



BEA-66



BEA-82