



LAB & MEDICAL EQUIPMENTS

ESPORTI IMPEX

2016-17

Esporti Impex, a supplier of Laboratory & Medical Equipment and Hospital Furnitures. Esporti Impex has been committed to providing quality products & services to its valuable customers. What distinguishes Esporti Impex from other companies is the time and effort we dedicate to understanding our business needs and our proven ability to work professionally and efficiently. We have exported our products in different regions of the world. We are very interested in touching the new heights of this world with you and strongly believe that there are opportunities to explore our business that could result from establishing a mutually beneficial business relationship.



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AUTOCLAVE STERILIZERS:

VERTICAL AUTOCLAVE: (MODEL: EI- V06)

Our Microprocessor based vertical autoclaves are double/ triple walled units. Outer body of our autoclave is constructed out of thick gauge stainless steel sheet of SS-304 grade. The inner chamber is also made of heavy gauge stainless steel sheet of SS-304 grade. The middle wall is also constructed from the strong and sturdy stainless steel sheet of ss-304 grade s stainless steel sheet.

Size of Inner Chamber (Dia x Depth)	Capacity	Load
250 x 450 mm	22 Liters	2.00 KW
300 x 500 mm	40 Liters	3.00 KW
350 x 550 mm	50 Liters	3.00 KW
400 X 600 mm	78 Liters	4.00 KW
450 x 600 mm	98 Liters	6.00 KW
550 x 750 mm	150 Liters	6.00 KW



HORIZONTAL CYLINDRICAL AUTOCLAVE: (MODEL: EI- C07)

Our horizontal autoclaves are widely used in various bulk laboratories for their day to day studies on scale sterilization procedures where they give dryness of the sterilized medium a paramount importance and for that our sterilized media is prone to various micro-bacterial and viral infections. Having a specialization in customers' requirements we have an expert team of making both standard and customized models.

Salient Features:

- Fully Automatic Programmable
- Temp. Range 120°C to 138°C. Time 00 To 59 Mins. (or As Per Custom Specs)
- 2 Line CLCD For Display of Messages And Faults.
- Fully Stainless Steel Double / Triple Walled With Chamber And Jacket of SS 304 / SS 316 And Ceramic wool Insulation In-Between.
- SS 304 Boiler Tank
- M.S. Powder Coated Tubular Stand & Controller Housing
- Vacuum Breaker, Pressure Gauge And Spring Loaded Safety Valve.
- Condensate Line
- "S" or "B" CLASS, Single or Multi Program(s), Power Failure Memory. Self Diagnostic Software. Password Protection & Reporting.

Size:

- 400 X 600 mm (78 Liters)
- 400 X 1100 mm (138 Liters)
- 500 X 900 mm (165 Liters)
- 500 X 1200 mm (220 Liters)



DRESSING DRUM STERILIZER: (MODEL: EI- D01)

Seamless made of S.S. Bearing ISO Mark Drum Sterilizers are made of Stainless Steel sheet by deep draw process & confirm to IS specifications. These are ideal for sterilization of Gauges, Dressing Cotton, Gloves, surgical instruments used in operation theatres and emergency wards.



Size: Diameter		Height
240	x	250mm
290	x	250mm
340	x	250 mm

HORIZONTAL RECTANGULAR SINGLE/ DOUBLE DOOR AUTOCLAVE: (MODEL: EI- R08)

The offered range of Rectangular Steam Sterilizers. These products are developed utilizing superior grade raw material and advanced machinery in adherence with the highest quality norms and standards.

The sterilizer is based on the principle that microbiological action of saturated steam at elevated temp is rapid and thorough. All models work on downward displacement of air principle which is most economical method of obtaining for all types of bulk sterilization which are commonly needed in Medical, Agricultural and Pharmaceutical institute.

Suitable for sterilizing hospital dressings, linen, rubber plastic goods, surgical instruments, glassware's and utensils etc.

Construction Robust and rugged all weld construction which is leak proof unlike riveted construction. Inner chamber is made of thick plate of Mild Steel of non magnetic stainless steel of 304/316 quality and jacket is made out of rolled steel. Sterilizers will have single door made out of rolled steel lined with S.S. sheet on both sides. All the sterilizers are hydraulically tested to withstand 2.5 times the working pressure. The steam jacket is lined on the outer side with asbestos sheet or glass wool which prevents heat losses due to radiation and is covered by strong rolled steel sheet duly painted. Boiler Made of thick stainless steel plate suitably located under the sterilizer.



Size of Inner Chamber (Dia x Depth)	Capacity	Load
450 x 450 x 900 mm	180 Liters	18.00 KW
450 x 600 x 900 mm	240 Liters	18.00 KW
600 x 600 x 900 mm	320 Liters	18.00 KW
600 x 600 x 1200 mm	430 Liters	27.00 KW
600 x 900 x 1500 mm	810 Liters	36.00 KW
900 x 1050 x 2100 mm	1980 Liters	48.00 KW
1050 x 1200 x 2100 mm`	2650 Liters	60.00 KW

SLIDING SINGLE/ DOUBLE DOOR AUTOCLAVE: (MODEL: EI- S08A)

The autoclave operates with saturated steam as the sterilizing agent with a temperature range of 105 °C (221°F) to 137 °C (279 °F) and a working pressure that meets AMSE and PED requirements. Each autoclave model is available with either single or double door.

Our quality features enable the convenience and durability needed to operate an autoclave with complete peace of mind. The fully jacketed chamber is constructed of long lasting 316L grade stainless steel with superior corrosion resistance. In addition, the generator and piping are constructed of stainless steel.



Door Safety:-

- The doors are designed with independent mechanical and digital safety features that guarantee a safe working of the sterilizer.
- A safety device prevents the operator from opening the door when chamber is pressurized
- Steam is not allowed into the chamber when the door is open
- A cycle will not start if the door is open or not properly closed
- The door cannot open until chamber pressure reaches room pressure
- Sliding Door Safety -The sliding door progress will automatically stop if an obstruction is detected
- Double Door Safety – interlocks prevent both doors from being opened simultaneously.

Size of Inner Chamber (Dia x Depth)	Capacity	Load
450 x 450 x 900 mm	180 Liters	18.00 KW
450 x 600 x 900 mm	240 Liters	18.00 KW
600 x 600 x 900 mm	320 Liters	18.00 KW
600 x 600 x 1200 mm	430 Liters	27.00 KW
600 x 900 x 1500 mm	810 Liters	36.00 KW
900 x 1050 x 2100 mm	1980 Liters	48.00 KW
1050 x 1200 x 2100 mm`	2650 Liters	60.00 KW

TABLE TOP AUTOCLAVE: (MODEL: EI- T12)

Bench-Top, pre and post vacuum autoclave with automatic temperature control system, self-test system before operation, self-test mode diagnose, fully automatic steam ejection and safety device containing safety valve, automatic sterilization cycles and auto detections for steam sterilization of glass wares and plastic wares, Tank Capacity - 12 to 25 ltrs. Stainless steel seamless chamber and epoxy coated chamber cover for more safety.

The autoclave controls are easy to operate. Just choose the mold and time you want first and then press start. It is thoroughly tested and proven technology.



- Sterilize cycle, dry timer and indicator lamps display on panel which allows the operator to visibly acknowledge the phase. It is having programmable based controller.
- Safety locking mechanism that prevents opening while the autoclave is under Pressure. Complete control panel is provided in the front.
- Steam release valve will exclude cool air and extra steam.
- If electrical AC power is unavailable or is interrupted, the autoclave shall automatically shut off power and buzz to protect autoclave and instruments
- The autoclave controls are easy to operate. Just choose the mold and time you want first and then press start.
- It is thoroughly tested and proven technology. (CE 1023 approved).
- Uniform rubber gasket which endure high pressure and temperature with low dilatibility.



Specification:

- Sterilize temperature: 121°C or 134°C
- Electrical: AC 220V or 110V, 2100watts/220V and 1600watta/110V
- Water reservoir capacity: Approx. 5 L
- Safety device: safety valve, pressure regulator, and overheat protection
- Maximum Temperature: 150°C
- Maximum Pressure: 0.25mpa
- Warranty: one year

Model No.	Voltage	Power	Tank Cap.	Inside Dimensions	Packing Dimensions	Weight
EI-T12-12	220V 50Hz	1400w	12 Liters	200 * 368	620*520*500mm	46 Kg
EI-T12-16	220V 50Hz	1500w	16 Liters	240 * 360	650*520*500mm	47 Kg
EI-T12-18	220V 50Hz	1800w	18 Liters	245 * 355	650*520*500mm	48 Kg
EI-T12-23	220V50 Hz	1800w	23 Liters	245 * 465	780*520*500mm	56 Kg

OTHER LAB & MEDICAL EQUIPMENTS:

HOT AIR OVEN: (MODEL: EI- H11)

We offer superior quality Hot Air Oven. Hot Air Oven, offered by us, is fabricated using high-grade raw material to give perfect finish. The Hot Air Oven is durable and has low cost maintenance service. Hot Air Oven works flawlessly and is safe in use.

Other information:

Construction	Double Walled.
Outer Chamber.	Mild steel, white powder coated / stove enamelled.
Inner Chamber	Aluminium / Stainless Steel/ FULLY S.S.
Insulation	About 75mm thick glasswool.
Heaters	80 / 20 Nichrome heating elements placed at bottom and sides for uniform heat distribution. (Based on MEMMERT GERMAN DESIGN)
Temp. Range	50°C to 250°C
Temp. Control	By Sensitive Thermostat
Temp. Indication	On Built - in "L" Shaped mercury thermometer.
Standard supply	Perforated and adjustable aluminium trays, pilot indicating lamps, ON/OFF switches cord wire and power plug.
Operation	220/230V Ac.



Working Size	No. of Trays
30 x 30 x 30 cm	1
35 x 35 x 35 cm	1
45 x 45 x 45 cm	2
60 x 45 x 45 cm	3
60 x 60 x 60 cm	3
90 x 60 x 60 cm	3

BOD INCUBATOR: (MODEL: EI- B01)

Most versatile and highly reliable low temperature incubator, to make Biochemical Oxygen Demand Determinations and for preservation of vaccines, insulin, lever extracts, chemicals etc.

Construction

Robust Construction. Outer cabinet is made of M.S. Sheet, duly pre treated & finished with epoxy powder coated paint for lasting finish. Inner chamber is made of highly polished stainless steel. It has provision for allowing wide range of shelf positions & spacing. SS trays are also provided. The outer chamber may also be provided of

Size of Inner Chamber (W x H x D))	Capacity
455 x 605 x 415 mm	112 Liters
500 x 830 x 415 mm	170 Liters
565 x 865 x 550 mm	280 Liters
650 x 900 x 550 mm	335 Liters
700 x 900 x 650 mm	410 Liters

mat finished Stainless Steel. Chamber is duly insulated to minimize heat loss. Two doors are provided.



Outer door is insulated and is

fitted with magnetic tape for air tight closing for no temperature loss. Door is provided with lock and key. Inner door is made of transparent acrylic/ glass for inspecting the specimens inside chamber, without opening the door and with minimum temperature loss.

The heart of the our B.O.D. Incubator is the excellent and reliable solid state temperature controller cum indicator digital display, range from 5°C to 60°C ± 0.5°C.

Hermetically sealed, Dan Foss / Emerson Copeland high performance compressor works efficiently to lower the inside chamber temperature. Heating elements are placed in the path of moving air duly insulated from the body.

BACTERIOLOGICAL INCUBATOR: (MODEL: EI- B02)

- Incubators are sturdy, with double walled construction with complete inner chamber made of Highly Polished Stainless Steel.
- Outer chamber is made of Mild Steel Sheet, finished with powder coated paint.
- 75 mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses.
- Inner chamber fabricated with ribs for adjusting shelves to convenient height. Supplied with 2 or 3 removable shelves.
- SHELVES are made of fully Anodized Aluminium Sheet or Polished Stainless Steel Sheet as per chamber.
- Door is insulated & fitted with heavy hinges. Door has Double glass window which facilitate inspection of samples without opening the door.
- Heating elements, made of high grade imported nichrome wire are put inside the porcelain beads and placed at the bottom and side ribs for uniform temperature all over the space.
- Temperature range of 20°C to 40°C.
- Made up of stainless steel – SS 304.
- Temperature Control # 0.10C.
- Internal light for better viewing.
- Voltage 230#10% single phase.5Hz
- Capacity of 100 to 260 Litres
- Temperature Uniformity # 0.10C.
- PID temperature controller with integrated timer.
- Digital temperature display.
- As per ISI specifications .



Size of Inner Chamber W X H X D	CAPACITY	NO. OF SHELVES
300 X 300 X 300 mm	28 litre	2
355 X 355 X 355 mm	45 litre	2
455 X 455 X 455 mm	95 litre	2
455 X 605 X 455 mm	125 litre	3
605 X 605 X 605 mm	221 litre	3
605 X 910 X 455 mm	250 litre	3
605 X 910 X 605 mm	333 litre	3

**DEEP FREEZER VERTICAL/ HORIZONTAL:
(MODEL: EI- D09)**

Upright freezers represent the industry's most advanced combination of cabinet design, electronics, refrigeration and critical components for enhanced security, better performance, and product safety ambient(0 deg) to -80°C. Our preservation systems employ advanced technology to insure a high precision temperature environment. The refrigeration system and sound abatement feature minimizes intrusive operating noise. The back cover and placed components in the refrigeration compartment provide superior air flow to drastically reduce the stress to the freezer and contributing to excellent durability. Independent and insulated inner doors ensure maximum interior chamber uniformity at all shelf levels.

Size of Inner Chamber (W x H x D)	Capacity
405 x405 x 405 mm	65 Liters
455 x 605 x 415 mm	112 Liters
500 x830 x 415 mm	170 Liters
565 x 865 x 550 mm	280 Liters
650 x 900 x 550 mm	335 Liters
700 x 900 x 650 mm	410 Liters



BLOOD BANK REFRIGERATOR: (MODEL: EI- B10)

The worldwide famous high-accuracy computer-controlled temperature system with original binding can maintain the temperature constancy in the box at $4 \pm 1^{\circ} \text{C}$ precisely. The temperature set-value can be adjusted at $2^{\circ} \text{C} \sim 6^{\circ} \text{C}$, and the temperature display precision is 0.1°C , the resolution is 0.1°C and the adjusting increment is 0.1°C . The value is to be displayed through three-digital high-brightness figure.

The system has special high-resolution temperature calibrating function. That means the set-value figure can be displayed and calibrated at $2 \sim 8^{\circ} \text{C}$. The calibrating increment is 0.1°C . The forced cold-air circulation system with intelligence-control fan can ensure the temperature uniformity inside the box.

24-hours tracing, recording and printing system (Optional)

The imported temperature recording and printing system. There are four precise temperature sensors (two sensors for some systems) inside the box and two temperature indicators outside the box, which are to display the temperature of upper and lower point, for users to supervise the temperature at each operating states in the box. The display precision--resolution is 0.1° .



Product mode	Total useful volume	Voltage	Climate type	Input power	Temperature inside the box	Exterior size (Width*Depth*Height)	Weight	Blood storage volume (200ml/b)	Layers
B-120	120L	220V/50HZ	N	150W	$4 \pm 1^{\circ} \text{C}$	500×500×1200	50kg	50	4
B-170	170L	220V/50HZ	N	160W	$4 \pm 1^{\circ} \text{C}$	530×530×1420	60kg	120	5
B-200	210L	220V/50HZ	N	180W	$4 \pm 1^{\circ} \text{C}$	530×530×1580	70kg	160	5
B-255	255L	220V/50HZ	N	220W	$4 \pm 1^{\circ} \text{C}$	550×550×1730	80kg	225	5

MORTUARY CHAMBER/ FREEZER: (MODEL: EI- M01)

Mortuary storage system is designed for storing cadaverous under cool condition to prevent decomposition. These are latest development in Mortuary technology offering vast space saving advantage over the conventional type together with greater hygiene. Useful for Hospitals, Railways & Airports. Double-walled with GI prefabricated panels with insulation in between. Front opening, hinged insulated doors lined with magnetic gasket, handle and lock arrangement with keys in duplicate for individual dead bodies. Trays to carry dead bodies with handles at both ends, travel on rollers fitted for easy movement.



Model	2-Body	4-Body	6-Body
Description	EI-Mo1A	EI-Mo1B	EI-Mo1C
Width (mm)	1055	2110	3165
Depth (mm)	2400	2400	2400
Height (mm)	1785	1785	1785
Height with cooling Unit and PCC platform (mm)	2215	2215	2215
Refrigeration System –Unitary Type	RTU-06	RTU-06	RTU-10
Temperature Range	+ 2 to +5°C	+ 2 to +5°C	+ 2 to +5°C
Power Supply	230+/-10% /Single Phase/50Hz		

- Can be provided with Inner or Outer body of Stainless Steel.
- Height of Cooling Unit above Mortuary : 470 mm
- Temperature Range for Freezer can be -20°C (Model No.: EI- M02)
- Recommended a clear height of 1 meter above the mortuary cabinet for better air circulation.

STABILITY CHAMBER: (MODEL: EI- S01)

Temperature :40°C	Humidity: 75% RH
Temperature Uniformity : ±1.0°C	Humidity Uniformity : ± 3% RH

- Exterior made of stainless steel (304)
- Interior made of Stainless Steel (316)

CONSTRUCTION:

This unit is a double walled chamber, with PUF insulation. Interior is of stainless steel & Exterior is made of stainless steel. The unit has full length inner glass door and outside metal door with magnetic gasket & lock. The unit is provided with perforated Stainless steel trays. Forced Air circulation for uniform temperature. PU wheels for easy move ability.



Other Features:

- INTELLIGENT CONTROL SYSTEM
- HEATING SYSTEM
- HUMIDITY SYSTEM
- SENESOR
- COOLING SYSTEM
- ALARMS
- SAFETY

The unit works on 230 Volts AC and 50Hz mains supply.

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