



**HEART CARE INDIA CO**

**S. Manimozhi**

*Founder & President Marketing*

**+91 9962514402 - 044 24954592**

[heartcare1995@gmail.com](mailto:heartcare1995@gmail.com)

[www.heartcareindia.com](http://www.heartcareindia.com)





# HEART CARE INDIA CO

## HEART LUNG MACHINE VERSION OFFER 1. INDIGENOUS



### SPECIFICATION:

Heart Lung Machine Moveable Model 4 heads: feather touch with battery backup one hour indigenous and compact single designs ensure reliability conventional: electro mechanical drive continuous flow operation flow rate adjustable large & easy to read digital led display of flow in LPM & RPM hand crank for manual operation in case of power failure. Self – Locking control occasions three size foraging for use. In pump heat  $\frac{1}{2}$ ”,  $\frac{3}{8}$ ”,  $\frac{1}{4}$ ” interchange ability of pump heats can be done quickly and easily , full stainless steel body timer, pressure gauge imported spot light(1yr warranty).



# HEART CARE INDIA CO

**HEART LUNG MACHINE OFFER 2. INDIGENOUS WITH ALL STANDARD & OPTIONAL ACCESSORIES**





# HEART CARE INDIA CO

<b>SPECIFICATIONS OF THE HEART LUNG MACHINE</b>	<b>COMPLIANCE YES/NO</b>
1. Heart lung is an apparatus, through which the blood is temporarily diverted, during heart surgery, to oxygenate it and pump it throughout the body to maintain circulation until the heart and lungs are able to return to normal function	YES
<b>2. Operational requirements :</b>	YES
<b>Basic equipment will consist of the following unit</b>	YES
<b>a.</b> 5 pump single head or 3 pump single head + 2 pump double head with base.	YES
<b>b.</b> monitor	YES
<b>c.</b> pressure monitor -arterial Cardioplegia transducers	YES
<b>d.</b> timer -at least 3 timer	YES
<b>e.</b> Temperature monitor with at least 2 probes.	YES
<b>f.</b> Cardioplegia pump should have display of total volume of each infusion along with delivery time	YES
<b>g.</b> Safety device	YES



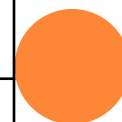
# HEART CARE INDIA CO

<b>h.</b> level sensor	YES
<b>i.</b> ultra sonic air center ( optional )	YES
<b>3. Accessories with include:</b>	YES
<b>a.</b> Stainless steel line clamp 10 no's	YES
<b>b.</b> Stainless steel intra cardiac suckers 4 adult 4 pediatric	YES
<b>4. Technical specification :</b>	YES
1. Pump console	YES
2. The unit has five pump console compactly arranged with separate power supply and control modules. Have easy access connectors for interchanging the pump	YES
3. Each individual roller pump should be capable of running independently at available voltage	YES
4. It has spill proof base	YES
5. This unit will be supplied with a battery backup for at least two pumps, all safety systems and accessories will be functioning for 60 min. Switching over from power to battery backup will be automatically done . The battery unit will be built into the pump base and it will be recharged automatically when the system is operating with main power supply	YES



# HEART CARE INDIA CO

6. Our machine has individual pump head , has Harvey roller pumps with facility for tubing to be used adjustable from 1/4 “ to 5/8” through 3/8” and 1/2 “ by easily changeable mechanism	YES
7. Individual pump head has display in digital - the total infusion in liters and delivery time the flow rate in LPM and in RPM	YES
8. Each pump has easy mechanism for occlusions system for different thickness of tube available in the market , 1/32” to 3/32 “	YES
9. We provided hand crank facility as critical safety feature hand crank loading from top for fastest access.	YES
10. The console has a compact base mount for the entire pump head together, with pole and handle s	YES
11. We have variable, changeable tubing holder in each pump head :1/4”, 3/8”,1/2” and 5/8”	YES
12. We are providing removal oxygen holder	YES
13. Roller pump have a self diagnostic circuit with provision to dedicate and display critical alarm condition , Optional pulsatile mode with the mounted on any of the blood pumps	YES
14. It has monitor mount with adjustable monitoring arm .	YES





# HEART CARE INDIA CO

<b>Monitor:</b>	YES
1. Pressure monitor : facility to monitor one arterial line pressure and one Cardioplega monitor pressure (total 2)	YES
2. Along with necessary transducers , Cardioplega line pressure (total2); along with necessary with pressure transducers and also with accurate display and alarm facilities' audio and visual delivery with stop, reset, and start function	YES
<b>Temperature :</b>	YES
1. Four temperature displays for patient monitoring and for Cardioplega monitoring with digital display in Celsius should be available.	YES





# HEART CARE INDIA CO

## Hypothermia Machine Offer 1. INDIGENOUS



### **SPECIFICATION:**

**HYPOTHERMIA MACHINE MOVEABLE MODEL:**

Feather touch indigenous and compact dual reservoir collar/heater fiber tank digital display.

Hypothermia cooler/ Heater will develop and maintain temperatures between 2'C to 42'V, the unit is compact and occupies less floor space and moves on conductive swivel castors build circuit breakers enhances safety. Full stainless steel body.







**HEART CARE INDIA CO**

**HEATER COOLER MACHINE FOR CARDIOPULMONARY BY PASS NEW VERSION OFFER 2 BRAND HEART CARE. INDIGENOUS**





**HEART CARE INDIA CO**

**HEATER COOLER MACHINE FOR CARDIOPULMONARY BY  
PASS NEW VERSION OFFER 2 BRAND HEART CARE .  
INDIGENOUS**





# HEART CARE INDIA CO

## **SPECIFICATION:**

- Heater cooler device used during cardiothoracic surgeries to warm or cool a patient.
- 2 Separate closed water tanks-both having independent cooling and warming.
- 2 Separate heating coil with 2000 Watts capacity.
- Independent temperature control of the patient and Cardioplegia via separated water circuits
- Silent operation noise level < 60 Db (A)
- Gradient mode for physiologically optimized heating and cooling (OPTIONAL)
- Polished stainless-steel cabinet – easy to clean and damage, rust resistant.
- Easy to maneuver using smooth running castor wheels with foot-lever operated brakes.
- Temperature control range 2°C to 42°C
- Flow capacity, patient water circuit 15-20 l/min.
- Flow capacity, Cardioplegia water circuit 9-11 l/min.
- Minimum water pressure inside the heat exchanger 0.3-0.7 bar
- Maximum water pressure inside the exchanger 0.3-0.7 bar.
- Heating/cooling blanket (adult-1, pediatric-1)
- Tubing set for heating/cooling blankets.
- Adapter set for heating/cooling blankets.
- No water shunt & spillage
- Supply voltage 240 V ~ = 10% 60Hz, AC:50-60Hz





# HEART CARE INDIA CO

<b>Temperature control New version Model (HYPOTHERMIA MACHINE):</b>	<b>COMPLIANCE YES/NO</b>
1. Temperature control and monitor system with Cardioplega supply	YES
2. Simultaneous delivery of water arterial and Cardioplega heat exchanges and to thermal blankets to be available from suitable ports.	YES
3. To work with power supply 220 v 20 v 50 hz	YES
4. Pessure regulator blanket ports maintaining the temperature of arterial port	YES
5. temperature display rance 0 to 50 degree Celsius	YES
6. microprocessor based unit to control, cool, rewarm and maintain the temperature.	YES
7. water outlet temperature of heat exchanger and blanket range 0 -40 d c	YES
8. maximum flow performance oxygenator heat exchanger supply prot 15-22lpm for fast cooling , 480mmHg Maximum pressure, blanket 1.5 to 2.5 lpm at zero head.	YES
9. it is capable of providing ice water for Cardioplega independently with variable cooling rate \	YES
10. temperature probe model for the operating ranges 0-42 d c	YES
11. temperature probe to fit in standard oxygenator (bubble / membrane)	YES
12. this equipment has touch screen system with optional accessories of remote control model. Optional remits control unit should be capable of taking 3 temp. probes and display temp in digital readouts. Alarm limits setting for at least 3 probes at crucial sites.	YES



# HEART CARE INDIA CO

## AIR OXYGEN BLENDER BRAND HEART CARE. INDIGENOUS Low-flow Blender With 11 l pm Cascade flow meter



### SPECIFICATION:

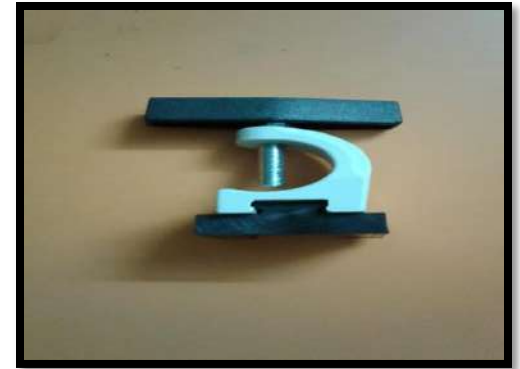
Air oxygen blender for heart lung/ neonatal care has been specially designed with 10 lpm and 1lpm cascade flow meter at a resolution of 100ml.  $\pm 3\%$  FiO<sub>2</sub> accuracy at any set point and oxygen concentration control 21 to 100%. It features gas supply failure alarm and has a minimum bleed of 2.5 l pm facilitated with bleed on/off facility.





**HEART CARE INDIA CO**

**AIR OXYGEN BLENDER BRAND HEART CARE. INDIGENOUS  
Features & accessories. Low-flow Blender With 0-11 l pm Cascade  
flow meter**



**Oxygen inlet hose & Air inlet  
hose**

**Air pressure regulator**

**Blender pole hole**



**Oxygen pressure**





# HEART CARE INDIA CO

## AIR COMPRESSOR BRAND HEART CARE . INDIGENOUS



### **SPECIFICATION:**

**Air Compressor:** Air compressor sucks the atmospheric air and delivery the oil free air minimum pressure of air is 50 pound sans maximum pressure of 60 pound most of important items in the air compressor like. Coolly coil fan safety air storage tank are made in medical stansred stainless steel. Safety filter air compressor outlet should connect to the gas blender.





# HEART CARE INDIA CO

## MEDICAL AIR COMPRESSOR BRAND HEART CARE. INDIGENOUS



### **SPECIFICATION:**

- **Medical Air Source**
- **Compact**
- **Quick operation**
- **Medical grade Oil free**
- **Micro filter dry air**
- **High Flow Capabilities, Greater versatility**







# HEART CARE INDIA CO

## FIBRILLATOR WITH PEDAL BRAND HEART CARE. INDIGENOUS



High Reliability and Safety

Adjustable Fibrillation Current

Light and Compact

Input 230 V and Output 0-12V

The electronic Fibrillator is specially designed for Open Heart

Surgical Procedures

The cardiac Fibrillator provides and adjustable alternating current to fibrillate the heart.

The patient electrode is of the 2-lead isolated type and can be easily autoclaved/sterilised. The fibrillation current delivered to the patient is controlled by a rotary potentiometer and displayed on a panel meter. The current





# HEART CARE INDIA CO

## FIBRILLATOR WITH PEDAL BRAND HEART CARE. INDIGENOUS

### Fibrillator With Pedal Specification

#### ON/OFF SWITCH:

The switch serves to turn the unit on or off. The indicator in the switch lights up when the unit is turned on INPUT VOLTAGE 220V-1AMPS.

#### OUTPUT VOLTAGE POTENTIO METER

The output voltage is adjustable from 0-12V using Potentio meter should be set to 0V when turning on the unit the voltage can then immediately be adjusted up to 12V. However, if the potentio meter had not been set to 0V prior to turning on the unit the rest LED will start blinking. The unit is then ready for adjusting the output voltage.

#### OUTPUT CONNECTIONS FOR FIBRILLATOR ELECTRODE CONNECTORS:

The cable of the electrode has a length of approximately 3M banana Plug which are to be plugged into output sockets.





# HEART CARE INDIA CO

## FIBRILLATOR WITH PEDAL BRAND HEART CARE. INDIGENOUS



### POWER CABLE:

The power cable is firmly attached to the fibrillator has a length of 3M

### PREPARING FOR OPERATION:

There are only few preparatory steps to take place the unit outside the sterile Area. The cable and the electrodes have been sterilized (if applicable for the Operation at hand) and ready for use.

- Check if the mains voltage complies with the voltage specified on the rear panel.
- Connect the power cable to a wall outlet.
- Prior to operation, check safety circuit with power switch turned off, turn the Potentiometer to center position, turn power switch on the indicator.

### OPERATING THE FIBRILLATOR:

- Ensure that potential meter is pointing to 0V
- Turn power switch on the indicator.
- Slowly turn potential meter to increase output voltage clockwise until cardiac arrest is observed

**Caution: Do not paddle joining together after use...keep it separately.**





**HEART CARE INDIA CO**

**OPTIONAL ACCESSORY STAINLESS STEEL PEDAL OR  
ACRYLIC PEDAL BRAND HEART CARE. INDIGENOUS**





# HEART CARE INDIA CO

## REUSABLE CARDIOPLEGA DELIVERY SYSTEM ADULT & PEDIATRIC BRAND HEART CARE. INDIGENOUS



### **SPECIFICATION:**

Helps to store to cooling the blood at the time of surgery, it can be reusable many no of times to multiple patient before the surgery the equipments should be taken care precaution and sterilized.

### **Note:**

Comparing to other brand of Disposable Cardioplega the purchase price will be more than our brand





**HEART CARE INDIA CO**

**Reusable Cardio Plegia Cool Chamber and Silicon Washer Set. Optional Accessory**





## OUR BRANDS VS OTHER IMPORTED BRANDS:

HEART LUNG MACHINE/HYPOTHERMIA MACHINE	
Heart Care Brands	Imported Brands
<ul style="list-style-type: none"> <li>We have a battery backup up to 2 hours for all 4 heads.</li> </ul>	<ul style="list-style-type: none"> <li>45 min of battery backup only available</li> </ul>
<ul style="list-style-type: none"> <li>Service and Maintenance, Spare parts are available immediately with cost effective</li> </ul>	<ul style="list-style-type: none"> <li>Service and Maintenance, Spare Parts are not available immediately with high cost along with duty charges</li> </ul>
<ul style="list-style-type: none"> <li>We offer 3 years of spares warranty and 7 years Amc. Totally no of warranty is 10 years.</li> </ul>	<ul style="list-style-type: none"> <li>Fixed Total no of warranty maximum will be from 3years without spare parts warranty</li> </ul>
<ul style="list-style-type: none"> <li>Our Heads of the machine can be easily interchangeable</li> </ul>	<ul style="list-style-type: none"> <li>Heads are unable to interchange</li> </ul>
<ul style="list-style-type: none"> <li>Once you fix the occlusion you need not keep changing the settings on monthly basis for different patients without any interruption</li> </ul>	<ul style="list-style-type: none"> <li>Once you fix the occlusion you need to keep setting up different features for on monthly basis for patients</li> </ul>
<ul style="list-style-type: none"> <li>All price is very competitive with all above feature</li> </ul>	<ul style="list-style-type: none"> <li>All price is not competitive compare with our brand</li> </ul>
<ul style="list-style-type: none"> <li>New version of Hypothermia you can do simultaneously warming the patient and cooling the heart, with touch screen and remote control</li> </ul>	<ul style="list-style-type: none"> <li>You Do not have warming the patient and cooling the heart simultaneously in any imported brand machine</li> </ul>
<ul style="list-style-type: none"> <li>It works with our environmental humidity temperature and on voltage fluctuation</li> </ul>	<ul style="list-style-type: none"> <li>It is very sensitive and non environmental for our humidity temperature and voltage fluctuation especially in rural areas</li> </ul>
<ul style="list-style-type: none"> <li>Any additional accessories like Blood sensor level, bubble detector, pressure monitor with probe are given in an affordable price.</li> </ul>	<ul style="list-style-type: none"> <li>Any additional accessories are available at a high cost compare without brand</li> </ul>







**HEART CARE INDIA CO**

## **BLANKET FOR HYPOTHERMIA MACHINE WITH SUITABLE CONNECTORS (BRAND-CINCINNATI SUBZERO-U.S.A) (FDA - CE APPROVED)**



### Features



Durable materials help the blanket to last throughout the patients stay



Self-Sealing connections (Download New Brochure)



Quick disconnect without clamps

### **DISPOSABLE BLANKETS/PADS**

ADULT SIZE- 24\*60 (61 CM\*152.4CM)

PEDIATRIC SIZE- 24\*60 (61 CM\*152.4CM)

INFANT SIZE- 24\*60 (61 CM\*152.4CM)

### **RESUABLE/HYPOTHERIMA BLANKETS**

ADULT SIZE- 24\*60 (61 CM\*152.4CM)

PEDIATRIC SIZE- 24\*60 (61 CM\*152.4CM)

INFANT SIZE- 24\*60 (61 CM\*152.4CM)







# HEART CARE INDIA CO

## STERNUM SAW SET : Brand HCIC/BOJIN CE&ISO APPROVED



### Specification:

Auto clavable

Reciprocating blade type

Ideal for sternotomy

Available in pediatric and adult type

**Contains :** Hand piece, Saw guard, battery with charge , Aseptic channel, Sterilization Container Box, Saw Blade (5Nos). Warranty 1yr and Battery 6 Mnths.



**HEART CARE INDIA CO**

## **REDO SAW SET :Brand HCIC/BOJIN**



### **Specification:**

Auto clavable  
Reciprocating blade type  
Ideal for sternotomy  
Available in pediatric  
and adult type

**Contains :** Hand piece, Saw guard, battery with charge , Aseptic channel, Sterilization Container Box, Oscillating Saw Blade (5Nos). Warranty 1yr and Battery 6 Months.



**HEART CARE INDIA CO**

## **Head Band Univet- Brand Italy (CE approved)**



### **Specification**

Flexible structure with no pressure points  
adjustment of the vertical axis and declination  
angle interchangeable sweatband sponges can  
be worn over prescription eye wear, to suit with  
ESO HP headlight.





**HEART CARE INDIA CO**

## **Head Light Univet- Brand Italy EOS HP LED Head Light**



### **Specification:**

Colour temperature 5700k

Brightness 45000lux

Battery life 8hrs max high density

Weight 28 g





**HEART CARE INDIA CO**

## **Power Back System Univet- Brand Italy**



Power back system for EOS HP  
LED HEADLIGHT without  
remote control CONTROL





**HEART CARE INDIA CO**

## **Clip Univet- Brand Italy**



**Note:  
Magnetic Clip to attach univet  
headlight any brand of loupe  
expect karl zeiss loupe**





**HEART CARE INDIA CO**

## **Headlight brand HCIC/CHAMP FOND CE APPROVED HEADLIGHT ONLY**



### **Specification:**

- Lamp weight is 12.9g
- Light intensity 30,000lux@34cm, 21000lux@42cm
- Spot size dia 9cm@42cm
- Color temperature 5700k
- Brightness level 10 levels
- Battery life 6 hrs highest intensity
- Charging time 3-4 hours
- Battery type rechargeable lithium ion
- Battery capacity 600mah
- Power back weight 180g





**HEART CARE INDIA CO**

**HEADLIGHT WITH ADJUSTABLE HEAD BAND HCIC/CHAMP FOND  
CE APPROVED (the headlight attached the headband )**



**Note:**

- **Adjustable headband in all level**







**HEART CARE INDIA CO**

## **Clip BRAND HCIC/CHAMPFOND- CE APPROVED**



**Note:**

- Adaptors clip can be attached any type of loupe except karl zeiss loupe



THANK  
YOU

