



USHA TRADERS

A House of Life saving Products



CE
2138





Advanced Technology, Modular Design, Open Architecture, Ease of Use

With an integrated design and excellent quality, each anaesthesia system is custom built to meet your requirements

- Choice of mechanical or touch screen controlled electronic flow meter with electronic gas mixer
- Twin Selectatec mounting for agent specific temperature compensated vaporisers
- Pin indexed yokes for O₂ and N₂O
- NIST inlets for piped medical gases for O₂, N₂O & Air as standard
- Single Bi-stable system O₂N / OFF switch for gases & power supply
- Pull out writing table
- Common gas outlet (CGO)
- Open/Close change over switch for convenient switch-over from open to closed system
- Suitable for open, semi-open & closed circuit system application
- Electrical outlets for running other medical equipment
- Auxiliary O outlet with flowmeter as standard



Optional Features

Aspirator suction (Gas Powered)
AGSS system
Up to 4 nos. Pin indexed cylinder yokes
Side arm for patient monitor
Neuro muscular monitoring module
Basal Flow for oxygen
Anaesthetic Gas Module and EtCO₂ monitoring

Features

High-luminance and wide display
Large screen with options of 8" or 10"
Ventilation modes: VCV, PCV, SIMV-V, SIMV-P, PSV, SPONT & Manual
Monitoring Parameters (Measured Values) V_T, Frequency, FiO₂, P_{peak}, MV, PEEP, C_{dyn}
Tidal volume range from 20ml to 1500ml suitable for Adult, Pediatric & Neonates
Volume compensation and electronic PEEP. Automatically compensates for fresh gas flow, system leak and the compliance change in the circuit
Ascending bellows provides immediate visual information on the adequacy of fresh gas flow and gives an indication of any system leak
Cardiac By-Pass mode

Patient Safety Features

Anti Hypoxic Device ensures a minimum of 25% O₂ at all times and cuts off N₂O supply if O₂ fails
Audio Visual Alarm for O₂ failure
O₂ Flush 35 to 70 LPM O₂ Flow
System Pressure Relief at 125 cmH₂O

Integrated Pressure, Volume and Oxygen monitoring

Self test and leak test

Adult to pediatric mode

Waveforms:

Flow-Time waveform, Volume-Time waveform, Flow-Volume loop, Volume-Pressure loop

Setting Parameters

VT (Tidal Volume), Frequency, I:E ratio, Tip (Inspiratory pause time), Pmax, PEEP, Vsens (Triggering flow sensitivity), SIGH, Tapn, Ping (Pressure trigger) Plimit, Psupp.

Alarm Parameters

Continuous Positive Airway Pressure, Airway pressure (high & low), FiO₂ (high & low), MV (high & low), VT (high & low), Frequency (high & low), Apnea, A/C failure, Battery low, Self-test failure



Anaesthesia Machine



Anaesthesia Machine



Anaesthesia Ventilator

Features

Structure

Square tubular electro statically Powder coated steel sections.

Top Tray

Steel top tray at eye level to keep monitoring equipments.

Table Top

Stainless Steel.

Drawer

Extra large one storage Drawer.

Cylinder Yokes

Pin-Indexed gas specific dual Oxygen & Nitrous Oxide Yokes with gauges

Regulators

For higher efficiency and reliability two each for oxygen and Nitrous Oxide.

Nitrous Cut-off

Nitro cut-off system is provided which activates only when Oxygen Flowmeter control valve opens to prevent the risk of administering 100% Nitrous Oxide.

Oxygen failure warning device

Pneumatic device which activates audible alarm when Oxygen supply Pressure falls 215 kpa.

Rotameters

Antisatatic colour coaded non inter changeable Long (230 mm) rotating bobbin flow meters accurately calibrated.

Oxygen - 100 ml / min. to 8 Litres / min.

Nitrous Oxide - 200 ml / min to 12 Litres / min.

Oxygen flow control is on left side of flowmeter bank as it is Preferred Gas.

Vaporisers

One plenum type vaporiser for Halothane supplied as standard.

Non-return cum Pressure relief Valve

Minimises risk of backflow of gases, blows off when pressure exceeds 200 cm water column.

Emergency Oxygen

Guarded Oxygen flush button Out-let at table level.

Accessories

One Schrader type self sealing Oxygen out-lets (4.22 kg/cm²) for ventilators etc. Extended rear platform for two 10 litre water capacity cylinders. Circles absorber can be securedly Mounted on the left side of the main frame.

Breathing Attachment

Standard magill's circuit.

Mobility

Large diameter caster wheels (130 mm) with ball bearings. Front Casters have brakes.

Change over

Anaesthesia Classic is also availble in stainless steel structure.



HYPOXIC GUARD SYSTEM

Hypoxic Guard

Hypoxic Guard is designed in Technical Collaboration with G.C.E. of Sweden to prevent delivery of hypoxic mixture to the patient. The Oxygen and Nitrous Oxide flow control valves in Rotameter are connected a pneumatic circuit to ensure a minimum 25% Oxygen in the gas mixture. The Rotameter does not allow any N₂O flow below 0.6 lit/min. of Oxygen.

Hypoxic Guard is Available for 2 gas or 3 gas versions and can be used as a stand alone unit to be retrofitted in your existing Anaesthesia Machine.



ANAESTHESIA VAPORIZER



The Sigma Delta Vaporizer delivers accurate concentrations under varying conditions of flow rate and temperature, particularly at low flow

Service Free*

Selectatec®, Dräger Plug-In®, North American Dräger, Cagemount

Superb performance, particularly at low flows

Halothane, Enflurane, Isoflurane, Sevoflurane

Keyed Filler, Quik Fil®, or Pour fill

Low Body Weight

'Life-Care' or optional 'Life-Care Plus' Warranty and Customer Care scheme



MEDICAL GAS PIPELINE SYSTEM

BPC Flowmeter

- Strong and reliable flowmeter, offering the latest technical improvements for a precise measuring of the flow, with $\pm 5\%$ accuracy
- Chrome plated brass body • Flow can graduate from 0-15 lpm. by needle valve.
- Adjustable flow compensated.
- Back pressure compensated.
- Standard flow 0-15 LPM
- Inlet filter made of S.S wire net
- The MPS Flow Meters are designed to accept any international Standard Adapters.
- BPC Flowmeter & Humidifier bottle is CE CERTIFIED Humidifier bottle
- Humidifier bottle made of polycarbonate, transparent and unbreakable.
- Fully autoclavable at 121°C.



Oxygen Outlet Point

- The MPS outlet 100% hydrostatic testing of each outlet and cleaned for medical gas services.
- Non-interchangeable self-sealing, quick connect gas outlet with parking facility for Oxygen/ N2O1 Vacuum/ Air-4/ Air-7/AGSS
- Suitable for head wall units / wall / pendant units
- Front face of Gas outlet are non-interchangeable and gas color coded.
- Secondary isolating valve allows the maintenance of the gas outlet without the need for a pipeline system shutdown.
- Flow rate exceeds the requirements of NFPA and accepts only puritan bennett gas specific adapters.
- Outlets are also available for M.R.I. use.
- MPS PB Type Gas Outlet Point is CE CERTIFIED





MEDICAL GAS PIPELINE SYSTEM

Fully Automatic Control Panel with Alarm

- Manufactured an ISO 9001 : 2008 certified works.
- Control Panel cover made of M.S. duly powder coated.
- Compact and fully automatic manifold control system from Oxygen, N₂O and Co₂ service.
- Eadsy to maintain and use.
- Designed with both safety and continuity of flow supply of a constant. Pressure via two banks of bottled gas cylinders with following status monitoring.
- A-Bank in use (Green Indication).
- B-Bank ready for use (Yellow Indication).
- C-Empty Bank (Red Indication).
- Control Panel has bild in LED display to indicate Normal, High & Low line pressure.
- It has facility to test all above indicators working perfectly.
- The control panel includes pressure gauge (63mm) to indicate the gas pressure of each header and pipe line distribution pressure.
- Cappable to provide a distribution flow rate in excess of 1500LPM
- The control panel incorporate safety puncture in case pressure exceeds 100 Psi.
- In cse of failure of electronic as well as pneumatic system, control can be use manually through by pass system.
- Fully Atomatic Control Panel is **CE Certified**.



Vaccum Regulator

- The ON/OFF knob allows the operator to start or stop suction by turning the knob.
- The regulation knob can set the amount of 0-1000 mbar Vacuum required.
- The Safety jar is made of poly carbonate transparent and autoclave at 121° C.
- A well proven fluid control trap (safety) with anti-bacterial filter fitted on the unit automatically and efficiently shut off vacuum fully, preventing the transfer of liquid to the vacuum regulator, pipeline and pump.
- The MPS vacuum regulator are designed to accepts any international Standard Adapters.
- MPS Vacuum Regulator is CE CERTIFIED



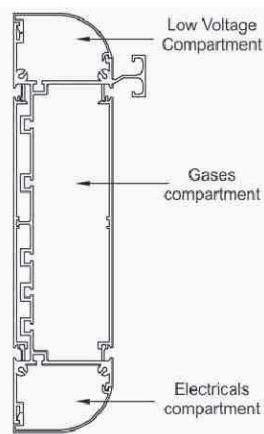


MEDICAL GAS PIPELINE SYSTEM

Moveable Sailing Pendant



- Strong
- Movable Ceiling Pendants
- The MPS pendant consists of drop tube & bearing assembly.
- Pendant is designed to bear 100 kg. Equipment load & rotates at 330° in circular rotation.
- Encapsulated central pivot bearing system is sealed to give maintenance free life.
- The main body is heavy-duty epoxy powder coated with internally segregated compartments for mechanical, electrical and specialized medical services. Pendant having additional hand on assembly Vonitor Keeping Shelf, Cable Arm, tilt and turn Equipment Platform, Pump Rod set etc.
- Rail for hanging any accessories i.e. W.V. unit, Flow meter I.V. Hooks.
- 6 Nos multi pin electrical switch sockets with provision to install upto 10 Nos of International Standard gas outlet point.
- Pendant is made as per customer requirement with horizontal movement
- Complies With HTV 20-01 & other Relevant Standards.
- MPS Vovable Ceiling Pendant is CE CERTIFIED



Bedhead Service Console

- The construction of the extruded aluminium section is made of 3mm thickness.
- The extruded aluminium structural lower channel will include a vertical integrated equipment mounting track to support optional track mounted equipment.
- Accessories: like I.V. Hook, Infusion pole, utility basket, Monitor tray, examination lamp, collection jar bracket etc. can be installed on the rail.



- Gases outlet / Switch - Socket / Monitor Socket / Nurse Call system can be fitted on middle portion of the Bed Console Unit after cutting the aluminium sheet as per Hospital requirements.
- Aluminium extruded having three separate compartments for Gases, Electricals & low voltage
- The MPS Bed Head Panel design & manufactures as per HTM / NFPA Standard.
- MPS Bedhead Service Console is CE CERTIFIED



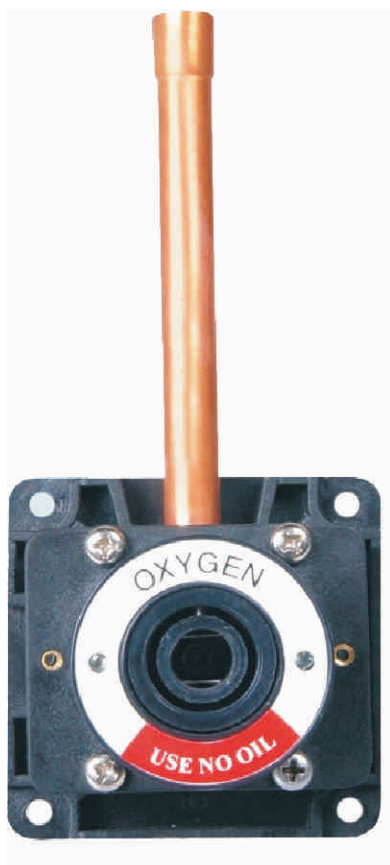
MEDICAL GAS PIPELINE SYSTEM

Line Pressure Alarm



- Alarm body is made out of powder coated VS sheet of 18 gauge size
- Box size:- LxWxH 12"x7"x4"
- Test function is provided in Line Pressure Alarm system to test the audio-visual indicators. On pressing the Test Button, all the emergency indicators i.e the High and the Low indicators start glowing along with a beep alarm, This test is performed for 5 seconds and after that it comes back to its previous position,
- Alarm has provision to install upto 6 no. of gases Yule Function is provided for switching off the beep alarm whenever it blows. The system is provided with a timer, which allow the beep alarm to restart after 10 minutes of pressing the mute button.
- LED window size 10mm x 20mm.
- Complies with HTV 02-01 std
- MPS Line Pressure Alarm is CE CERTIFIED

Gas outlet Point



- The MPS Medical Gas Outlets is easily repairable without removing the front fascia.
- Non- interchangeable self-sealing, quick connect gas outlet for Oxygen/ N2O/ Vacuum/ Air-4/ Air-7/AGSS/ CO2
- Suitable for head wall units / pendant units/ wall. Double locking (secondary) facility.
- Front fascia of Gas outlet are non- interchangeable and gas color coded.
- Secondary isolating valve allows the maintenance of the gas outlet without the need for a pipeline system shutdown. • Complies With HTM 02-01Std
- MPS Gas outlet Point is CE CERTIFIED

Collection Jar with Lid

Collection Jar with lid Capacity 1000ml/2000ml/4000ml is designed for minimum servicing and High efficiency. Collection Jar is made of Polycarbonate, transparent and unbreakable autoclave at 121 ° C. A well proven fluid control trap (safety) with filter fitted on the unit automatically and efficiently shut off vacuum fully, preventing the transfer of liquid to the vacuum regulator, pipeline and pump. MPS Collection Jar is CE CERTIFIED





MEDICAL GAS PIPELINE SYSTEM

FLATWALLS

The MPS Flatwall is a vertically-oriented, surface-mounted headwall. The Flatwall uses vertical and/or horizontal component chases to conveniently locate services and will contribute to any interior design scheme with a wide variety of laminate choices. Clinical Benefits

- A cost-effective, long term solution
- Applications for low, medium or high acuity areas
- Two vertical equipment tracks
- Ergonomically placed medical gases and electrical service
- The MPS Vertical Panel design & manufactures as per HTM / NFPA Standard. MPS Flatwalls is CE CERTIFIED



Semi Automatic Control Panel

- Manufactured under an ISO 9001: 2008 certified works.
- Control Panel cover made of SS/M.S. Duly powder coated.
- Compact and semi automatic manifold control system for Oxygen N2O and Co2 services.
- Easy to maintain and use.
- The Panel Consists of two numbers pressure regulators & one line regulator high pressure gauge (4" dial) • The electrical circuit consists of a step down transformer numbers indicator windows showing 'Power On' Line Pressure Normal and 'Reserve in use'





LED OT LIGHT



TMI HEX-124

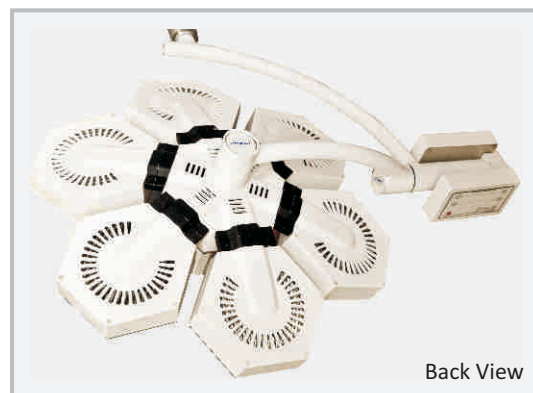
Intensity	170000 Lux \pm 10%
Size of light field	12-30 cm
Colour Temperature	4000 - 5000 K
Colour Reduction Index	93 Ra
Led Life	>45000 Hrs
Number of LEDs	124 (Multiple Colour)
Diameter of Light	500 mm
Brightness Control	Double sided touch screen control panel
Power Supply	220v/50Hz AC
Focusing	Fixed
Optional	Camera, Monitor & Battery Backup

TECHNICAL FEATURES

Special Features : Memory Function, High quality sterilizable handle, With protective fire resistant ESG safety glass for scratch proof, fast disinfection process, protects UV and IR rays and improve light penetration. With special European design for ventilation of heat. Body is made of high quality fire resistant polymer. Dual controller with touch screen. Wireless and connector based connections which helps even the surgeon to detach the pods of the light. Interchangeable LED pods for easy replacement and no downtime. With memory preset options.



Side View



Back View



Connector based easily detachable Pod



LED OT LIGHT



TMI-LED-CT-5+4 (Adjustable Colour Temperature)

Technical Data

Intensity	1,20,000 Lux $\pm 10\%$
	1,40,000 Lux $\pm 10\%$
Size of light field	12 - 30 cm
Colour Temp.	4000-5000 K
Colour Reduction Index	93 RA
LED Life	>45000 Hrs.
Number of LED	19 x 4 + 19 x 5
Diameter of Light	500mm x 2
Brightness Control	Digital 9 Steps
Power Supply	220V/50Hz AC
Focusing	Adjustable
Battery Backup	Optional

Special Features : Memory Function, High quality sterilizable handle, With protective fire resistant ESG safety glass for scratch proof, fast disinfection process, protects UV and IR rays and improve light penetration. With special European design for ventilation of heat. Body is made of high quality fire resistant polymer.



TMI-LED-CT-5
(Adjustable Colour Temperature)



Mobile Model



Mobile Model
(with battery backup)

Technical Data

Intensity	1,40,000 Lux $\pm 10\%$
Size of light field	12 - 30 cm
Colour Temp.	4000-5000 K
Colour Reduction Index	93 RA
LED Life	>45000 Hrs.
Number of LED	19 x 5
Diameter of Light	500mm
Brightness Control	Digital 9 Steps
Power Supply	220V/50Hz AC
Focusing	Adjustable
Battery Backup	Optional

Special Features : Memory Function, High quality sterilizable handle, With protective fire resistant ESG safety glass for scratch proof, fast disinfection process, protects UV and IR rays and improve light penetration. With special European design for ventilation of heat. Body is made of high quality fire resistant polymer.



LED OT LIGHT



TMI-LED-CT-4+4 (Adjustable Colour Temperature)

Technical Data

Intensity	1,20,000 Lux $\pm 10\%$
	1,20,000 Lux $\pm 10\%$
Size of light field	12 - 30 cm
Colour Temp.	4000-5000 K
Colour Reduction Index	93 RA
LED Life	>45000 Hrs.
Number of LED	19 x 4 + 19 x 4
Diameter of Light	500mm x 2
Brightness Control	Digital 9 Steps
Power Supply	220V/50Hz AC
Focusing	Adjustable
Battery Backup	Optional

Special Features : Memory Function, High quality sterilizable handle, With protective fire resistant ESG safety glass for scratch proof, fast disinfection process, protects UV and IR rays and improve light penetration. With special European design for ventilation of heat. Body is made of high quality fire resistant polymer.



TMI-LED-CT-4+3 (Adjustable Colour Temperature)

Technical Data

Intensity	80,000 Lux $\pm 10\%$
	1,20,000 Lux $\pm 10\%$
Size of light field	12 - 30 cm
Colour Temp.	4000-5000 K
Colour Reduction Index	93 RA
LED Life	>45000 Hrs.
Number of LED	19 x 3 + 19 x 4
Diameter of Light	500mm x 2
Brightness Control	Digital 9 Steps
Power Supply	220V/50Hz AC
Focusing	Adjustable
Battery Backup	Optional

Special Features : Memory Function, High quality sterilizable handle, With protective fire resistant ESG safety glass for scratch proof, fast disinfection process, protects UV and IR rays and improve light penetration. With special European design for ventilation of heat. Body is made of high quality fire resistant polymer.



LED OT LIGHT



TMI-LED-CT-3+3 (Adjustable Colour Temperature)

Technical Data

Intensity	80,000 Lux $\pm 10\%$
	80,000 Lux $\pm 10\%$
Size of light field	12 - 30 cm
Colour Temp.	4000-5000 K
Colour Reduction Index	93 RA
LED Life	>45000 Hrs.
Number of LED	19 x 3 + 19 x 3
Diameter of Light	500mm x 2
Brightness Control	Digital 9 Steps
Power Supply	220V/50Hz AC
Focusing	Adjustable
Battery Backup	Optional

Special Features : Memory Function, High quality sterilizable handle, With protective fire resistant ESG safety glass for scratch proof, fast disinfection process, protects UV and IR rays and improve light penetration. With special European design for ventilation of heat. Body is made of high quality fire resistant polymer.



TMI-LED-CT-5+3 (Adjustable Colour Temperature)

Technical Data

Intensity	80,000 Lux $\pm 10\%$
	1,40,000 Lux $\pm 10\%$
Size of light field	12 - 30 cm
Colour Temp.	4000-5000 K
Colour Reduction Index	93 RA
LED Life	>45000 Hrs.
Number of LED	19 x 3 + 19 x 5
Diameter of Light	500mm x 2
Brightness Control	Digital 9 Steps
Power Supply	220V/50Hz AC
Focusing	Adjustable
Battery Backup	Optional

Special Features : Memory Function, High quality sterilizable handle, With protective fire resistant ESG safety glass for scratch proof, fast disinfection process, protects UV and IR rays and improve light penetration. With special European design for ventilation of heat. Body is made of high quality fire resistant polymer.



LED OT LIGHT



TMI-LED-EL

Technical Data

Intensity	35,000 Lux \pm 10%
Size of light field	12 - 30 cm
Colour Temp.	4000-5000 K
Colour Reduction Index	93 RA
LED Life	>45000 Hrs.
Number of LED	12
Diameter of Light	150mm
Brightness Control	Digital
Power Supply	220V/50Hz AC
Focusing	Adjustable
Battery Backup	Optional

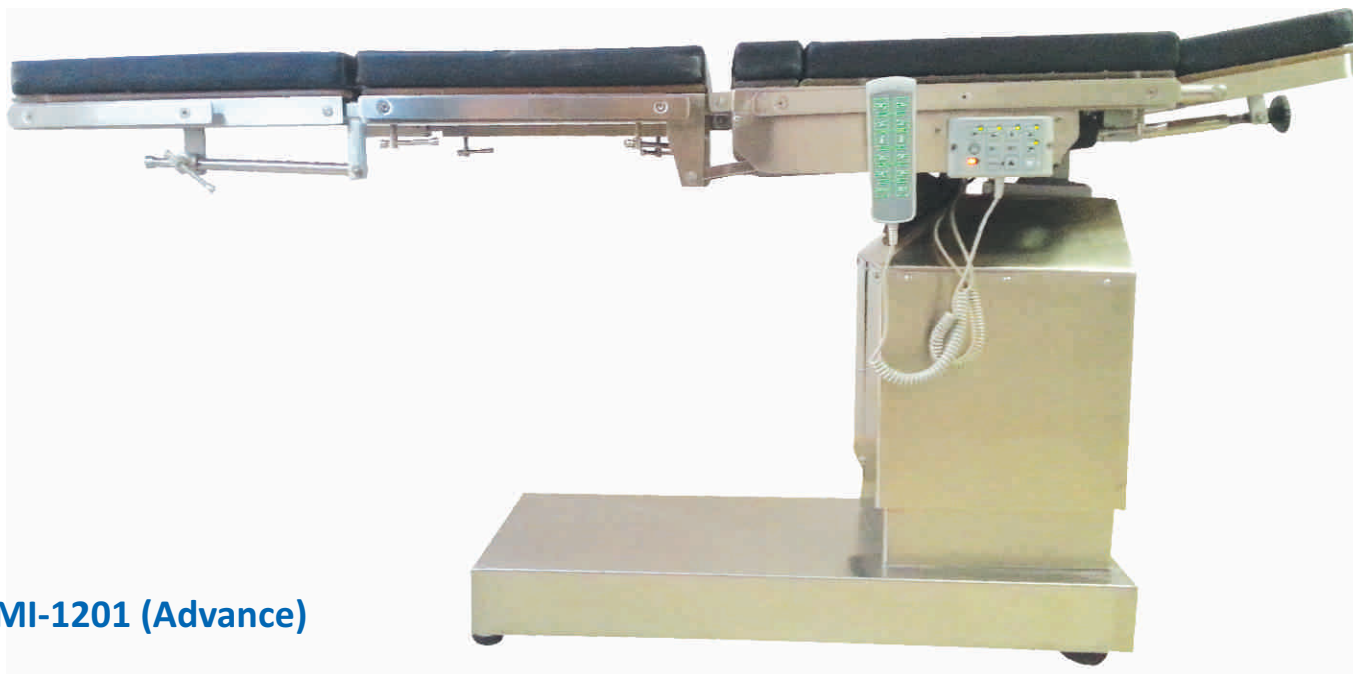
Special Features : Memory Function, With protective fire resistant ESG safety glass for scratch proof, fast disinfection process, protects UV and IR rays and improve light penetration. With special European design for ventilation of heat. Body is made of high quality fire resistant polymer.





OT TABLE

C-ARM COMPATIBLE OT TABLE WITH ZERO POSITION AND ELECTRIC FLOOR LOCKING SYSTEM



TMI-1201 (Advance)

Advance Features

- We are providing first SMPS based control Box with 120 VA capacity.
- Can handle better Voltage Fluctuations.
- When idle has zero current consumption and saves power, these are as per new European and American Standards where the idle power consumption should be zero and where Transformer based systems are outdated
- We are providing two Handsets .Additional fixed control panel provided on the table top, which can be used in case of failure of main hand set.
- Indication of Battery Back provided in the hand set.
- Handset is providing 2 memory function which can be set and reset.
- The handset has also safety key to lock the complete handset
- The Handset is designed with Back LED Indicator for better visibility. This is the only handset with Backlight features

Technical Data

Length of Table	1900 mm
Width of Table Top	520 mm
Minimum Height (without Mattress)	Min. 750 mm
Maximum Height (without Mattress)	Max. 1000 mm
Trendelenburg	25°
Reverse Trendelenburg	25°
Lateral Tilt	±20°
Back Section	±60°
Head Section	±60°
Leg Section	0°-90°
Floor Locking System	By Remote

Salient Features :

- Eccentric Pillars
- Stainless Fitting
- Detachable, head, leg & Pelvic section
- In built kidney bridge
- Five Sectional Radio - Translucent Top.
- Base & Cover made of attractive, easy to clean Stainless Steel.
- Sophisticated mechanics provide smooth, step less articulation of the table Top for precise patient positioning.
- Battery Back-up Available.



OT TABLE

C-arm Compatible Hydraulic Operating Table



TMI-1202

Technical Data

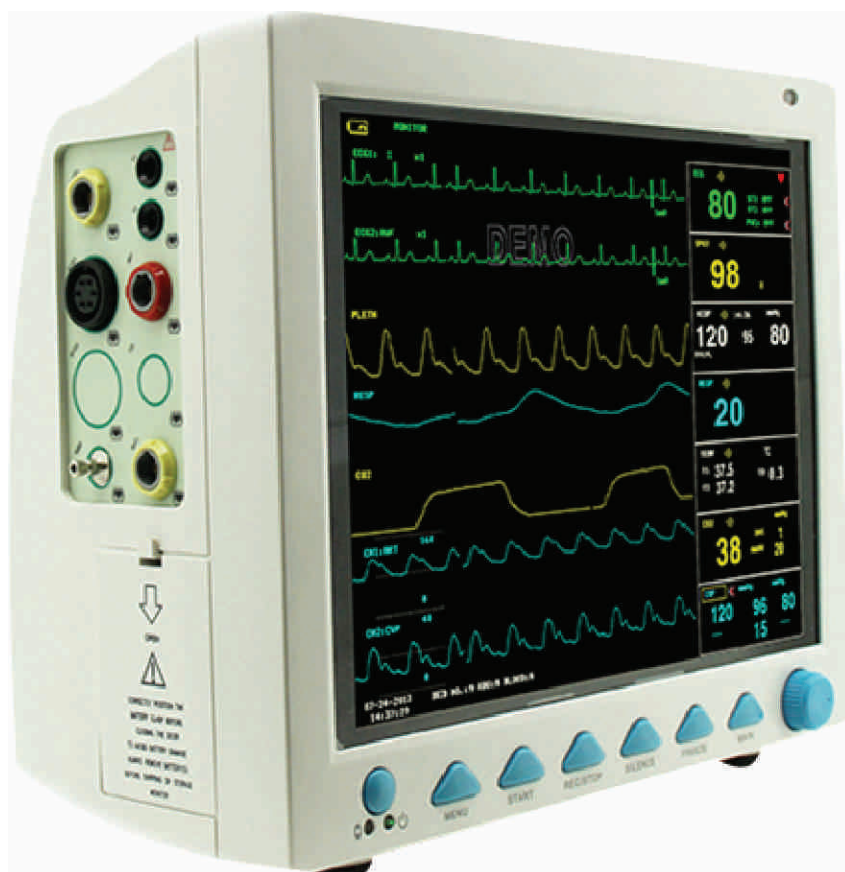
Length of Table	1900 mm
Width of Table Top	520 mm
Minimum Height (without Mattress)	Min. 750 mm
Maximum Height (without Mattress)	Max. 1000 mm
Trendelenburg	25°
Reverse Trendelenburg	25°
Lateral Tilt	±20°
Back Section	±60°
Head Section	±60°
Leg Section	0°-90°
Floor Locking System	Manual

Salient Features :

- Eccentric Pillars
- Stainless Fitting
- Detachable, head, leg & Pelvic section
- In built kidney bridge
- Five Sectional Radio - Translucent.
- Base & Cover made of attractive, easy to clean Stainless Steel.
- Sophisticated mechanics provide smooth, step less articulation of the table Top for precise patient positioning.



CMS8000 Patient Monitor



CMS8000 Patient Monitor

We offer cms 8000 model are known for their wide functionalities. These are used to report respiration, SPO2, ECG, Temperature, RESP, monitor, essential measurement parameters such as SpO2, TEMP, ECG, PR/HR, RESP and NIBP. These monitors are designed by latest digital technology which gives excellent accuracy.

We have with us CMS 8000 Multipara Monitors that are designed using latest technology and as per the international standards. Procured from our reliable vendors, these monitors are compact in size and are easily portable. These monitors are incorporated with adjustable audible and visual alarm and other safety features. Further, our monitors are available in different specifications and at industry leading prices.

Technical Specifications :

Display: High 12.1" color TFT display
Safety: IEC60601 (GB9706)
Dimensions: 340mm(W)x270mm(H)x215mm(D)
Power Supply: 90-280V AC 50Hz/60Hz
Alarms Indication: Visual and audible alarm
Application: Adult, pediatric and neonate
1000 groups of alarms events review

ECG

Lead type: 5-lead, Input: RA; LA; RL; LL; V
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
Accuracy: ± 1 bpm or $\pm 1\%$, whichever is greater
Protection: Withstand 4000VAC/50Hz voltage
S-T detection: YES, Arrhythmia analysis: YES
Alarm: audible and visual alarm, alarm events recallable



PATIENT AMBULANCE



Salient Features Lifepus Ambulance

- Seamless, Hygenic and Easy to clean F.R.P. internal panel in patients cabin.
- Air Conditioning unit Roof Monted with imported cooling coil.
- Aesthetically matching homogenous Antibacterial vinyl flooring.
- Flxed / Revolving type Doctor's Chair.
- For 3-4 persons fixed Attendant seats with storage facility and belts.
- FRP modular/S. Steel washbasin with foot operated water source.
- O2 GAs delivering control panel with parking facility & Din standard O2 Gas outlets, Double stage Regulators and also facility of replaceing jumbo type cylinders from outside near Driver's cabin.
- Overhead racks wit sliding glasses.
- Medicine cabinet with partitions and Drawer's.
- Intergrated mounts for Critical care Equipment's like Ventilator, Defibrillator, Monitor, Syringe pump etc.
- Sliding glass window between the driver partition with curtains.
- Integrated AC & DC supply inside the vehicle provided by additional Batteries integrated with 240V AC Invertor.
- High Intensity Blinkers, 4 Beacon light bar with Variable Sirens, Public Address System.
- Full Length Aluminium Foot Steop at Rear.



Horizontal Rectangular Tripple Walled High Pressure Steam Sterilizer with Vaccum Dry System

Handsomely Made For Long Service and to provide easier and surer Sterilization for use in Hospitals, Nursing Homes, Pharmaceutical Industries and Laboratories. Autoclave is Triple walled construction. The inner. Middle and Outer chamber is made of high grade stainless steel sheet of SS-304. The chambers are throughly argon welded making the chamber leak proof. Self locking safety door is provided which can not be open when the chamber is under pressure. Door (LID) is also made of thick 304 grade stainless steel plate single piece. The unit is duly fitted with highly efficient SS ring & radial locking arms duly polished which prevent opening of door while steam is inside of the chamber. Heat resistance gasket of neoprene / silicon is also provided and dose not allow any leakage. The boiler is also made of S. S. 304 G. A multiport valve is installed for controlling the sterilization cycle. The pressure is adjustable from 5 psi to 22 psi+ 3PSI pressure is controlled by automatic Pressure control switch. The unit is fitted with timer alarm, water level indicator, vacuum breaker and vacuum drying facility with Moisturizing trap. The whole unit is mounted on Heavy M.S. mild steel Stand painted with attractive stove enamel paint. TechnicalSpecification :

Technical Specification :

SIZE:	Cap. Approx.	Element Load	
A) 450x450x900 mm (18"x18"x36")	182 ltrs.	6Kw (2Pcs.)	12Kw
B) 500x500x1200 mm (20"x20"x48")	300 ltrs.	6/9Kw(2Pcs.)	12/18Kw
C) 600x600x1200 mm (24"x24"x48")	540 ltrs.	6/9Kw(2Pcs.)	12/18Kw
D) 600x600x1500 mm (24"x24"x60")	540 ltrs.	6/9Kw(2Pcs.)	12/18Kw
E) 600x600x1800 mm (24"x24"x72")	648 hrs.	6/9Kw(3Pcs.)	18/27Kw

Note: Working sterilization temp. 121°C /123°C

Power Supply 440V, 3 Phase

OPTIONAL ATTACHMENT AT EXTRA COST:

- 1) S.S. Trolley and Carriage.
- 2) S.S. Stand.
- 3) Digital timer and temperature Display.
- 4) Double door system.

4)Working sterilization temp. 134°C on request

- 5) Automatic control system with software, solenoid valve and printer.



Horizontal High Pressure Cylindrical Steam Sterilizer

Handsomely Made For Long Service and to provide easier and surer Sterilization for use in Hospitals, Nursing Homes, Pharmaceutical Industries and Laboratories.

CONSTRUCTION: Both chambers, back plate, ring and steam generator are made of strong 304 G stainless steel . All joints are strongly argon welded and completely leak proof. The outer jacket is thickly insulated which prevent heat loss due to radiation and covered with stainless steel sheet for elegance. All sterilizers are hydraulically tested upto 2.5 times of working pressure. By mean of steam under pressure of 5 to 22 PSI \pm 3 PSI (Adjustable). The unit is fitted with timer alarm, **Automatic pressure control switch, water level indicator, Temperature gauge, vacuum breaker and vacuum drying facility with Moisturizing trap.** Mounted on tubular M.S. frame with ground levelling flanges.

SAFETY DOOR: Provided with a positive radial locking safety door with neoprene rubber/ silicon gasket which cannot be opened while the chamber is under pressure and disengages automatically when chamber is exhausted. This affords complete safety to the working personnel against explosive opening.

Note : Sterasation cycle is controlled by three way valve or multiport valve (Optional) Technical Specification :

Size	Cap. Approx.	Element	Load
A) 400x600 mm (16"x24")	75 ltrs.	9 KW (1Pc.)	9KW
B) 400x1200 mm (16"x48")	150 ltrs.	6 KW (2Pcs.)	12KW
C) 500x900 mm(20"x36")	176 ltrs.	6KW(2Pcs.)	12KW
D) 500x1200 mm (20"x48")	235 lfts.	6KW(2Pcs.)	12KW
E) 600x1200 mm (24"x48")	339 ltrs.	9KW(2Pcs.)	18KW

Note: Working sterilization temp. 121°C/123°C Power Supply 440V, 3 Phase Power supply, Single phase, 220V AC on request

OPTIONAL ATTACHMENT AT EXTRA COST:

- 1) S.S. Stand.
- 2) Digital timer and temperature Display.
- 3) Double door system.
- 4) Working sterilization temp. 134°C on request
- 5) Automatic control system with software, solenoid valve and printer.





High Pressure Surgical Vertical Autoclave (Triple Walled with Steam Stock)

Vertical high pressure water steam electrically heated sterilizer used for sterilization in Hospitals, Nurshing Homes, Pharmaceutical Industries and Laboratories . Inner chamber, Steam jacket, Outer chamber & ring made of thick 304 G stainless steel. All sterilizers are hydraulically tested upto 2.5 times of working pressure. Lid is also made of thick stainless steel plate single piece and closed by Radial Locking and foot Lifting system. Jointless neoprene/silicon gasket does not allow any leakage. By mean of steam under pressure of 5 to 20 PSI \pm 3 PSI (Adjustable) Fitted with Tripple safety valve, Water level indicator, vacuum breaker, water inlet and outlet drain valves. Supplied complete with cord, timer, alarm & automatic pressure control switch but without dressing bins. To work on 220 volts, Single Ph, 50 Hz, Ac supply.

(NOTE-Three phase 440V AC Supply on request).

Available in following sizes

	Dia Depth	Cap. Approx.	Element	Load
(A)	300 x 550 mm (12" x 22") approx.	40ltrs.	1 Nos.	4 Kw
(B)	400 x 600 mm (16" x 24") approx.	75Ltrs.	1 Nos.	6Kw
(C)	550 x 600 mm (22" x 24") approx.	140Ltrs.	1 Nos.	6Kw/9Kw

Optinal Accesories

- (1) Automatic low water level cut-off device.
- (2) DigitalTimer.
- (3)Digitat Temperature Indicator.
- (4) Dressing Bins.
- (5) Moisturizing Trap.
- (6) **High Pressure Model on request in any size mention above.**

Note : Other sizes on Request.



Manufactured & Marketed by:

USHA TRADERS

A House of Life saving Products

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