



Anaesthesia Work Station



Anaesthesia Vaporiser

Rust Proof
Heavy Duty



IEC
EN 60601

ISO 9001:2015
ISO 13485:2015

STRUCTURE:-

Made of high quality metal body with powder coated finish.
Three drawer with smooth sliding channel.
Provision for sliding writing space.
Antistatic large caster wheels, front wheel with brakes.
Provision for separate line for post-operative oxygen therapy.
Space for mounting 2 temperature and flow compensated vaporizer.
Stainless steel table top.

FLOWMETER MANIFOLD:-

5 or 4 tube cascade type rotameter with color coated knob. It is low flow capable mechanical flow meter with hypoxic guard and oxygen failure protection device and with audio visual alarm.

GAS	FLOWMETER	RANGE
O2	Double	0 to 1 litre / min 1 to 12 litre / min
N2O	Double	0 to 12 litre / min 1 to 12 litre / min
Air (Optional)	Single	01 to 15 litre / min



CIRCLE ABSORBER:-

Ideally suited for low flow anaesthesia.
Unidirectional flow indicator for inspiratory and expiratory valve.
Change over knob for selection of manual and vent mode, open and closed circuit.

NON RETURN VALVE WITH SAFETY RELEASE:

VENTILATOR:-

Having an versatile ascending blow lung ventilator specifically designed use in operation theatres. The ventilator is with IPPV and manual mode with 4 controls breaths per minute (Frequency), tidal volume, I: E Ratio, and PIP (Peak Inspiratory Pressure) limit. It can be used in open circuit, close circuit, brain's circuit.

It is driven pneumatically by oxygen or air at 60 PSI and electronically controlled.

It maintain high accuracy level and calibration standard.

Higher version Anaesthesia Ventilator with SIMV and PSV also available.

CONTROLS:

MODE	:	IPPV, MANUAL
FREQUENCY	:	10 – 60 BPM
TIDAL VOLUME	:	20 – 2000 ML
I:E RATIO	:	1:1 TO 1:4 AND 4:1
PIP LIMIT	:	10 – 60 CM H2O
DISPLAY	:	LED PRESSURE BAR GRAPH
ALARM	:	ELECTRONIC AUDIO VISUAL
BATTERY BACK UP	:	5 HOURS
BATTERY	:	12V 3300 mAH



MATRIX MEDICAL SYSTEMS

Factory :- Poket-F, P.No G-29, Sector -3, Bawana Ind. Area, Delhi-110039
Mobile :- 9350746283 Email :- matrix9350@gmail.com,
www.hospitalfurniture.net.in,

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Single Arm OT Pendant



Features:

- ❖ Provision for two oxygen, one N₂O, two vacuum and one compressor air medical gas outlets.
- ❖ Available with twin 5/15 Amp electrical sockets, four splash proof type & one I.V hooks, one infusion pump pole and two heavy duty monitor trays.
- ❖ Load bearing capacity of monitor trays is up to 70 kgs
- ❖ Movable arm length: 1000 mm
- ❖ Rotate at 330 degree
- ❖ Console and pendant box of the single arm pendant move at 330 degree maximum movement
- ❖ Consoles of the pendant differ as per clients' specifications
- ❖ Colour combination as your choice.



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Single & Double Arm Laproscopy OT Pendant



Features:

- ❖ Provision for two oxygen, one N₂O, two vacuum and one compressor air medical gas outlets.
- ❖ Available with twin 5/15 Amp electrical sockets, four splash proof type & one I.V hooks, one infusion pump pole and two heavy duty monitor trays.
- ❖ Load bearing capacity of monitor trays is up to 70 kgs
- ❖ Movable arm length: 1000 mm
- ❖ Rotate at 330 degree
- ❖ Console and pendant box of the single arm pendant move at 330 degree maximum movement
- ❖ Consoles of the pendant differ as per clients' specifications
- ❖ Colour combination as your choice.

OXYGEN / VACCUME / AIR / N2O PIPE LINE SYSTEM



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AUTOCLAVE VERTICAL



Vertical Autoclaves are most ideal for critical applications requiring assured and reliable total destruction of all living micro-organisms.

An Ideal tool for Laboratories, hospitals, nursing homes, R & D labs etc.

CONSTRUCTIONAL AND SALIENT FEATURES

- Inner made of Stainless Steel 304 grade and outer made of stainless steel 304 grade.
- Heaters cover stand and bucket are made of Stainless Steel Sheet.
- Lid is made of Stainless Steel plate lined with stainless steel from inside.
- Supporting Ring & Legs are made of Stainless Steel.
- Lid is fitted with Pressure Gauge, Spring Loaded Safety Valve,

Manual Exhaust Valve and water level indicator.

- Drain Valve facilitates easy cleaning of the chamber.
- Gasket is made of neoprene.
- All internal joints are argon arc welded.
- Piezostat (Pressure Control Switch & Low water Level Cut Off system for general safety of the element are available at an extra cost. (OPTION)
- Operating range from 15psi to 20 psi pressure.
- To work on 220/230Volts, 50/60 Hz AC supply.

Technical Specifications & Ordering Informations

Options

- Digital ON/OFF timer with LED display.
- Digital Temperature Indicator with RTD.
- Semi-Automatic Digital Controller with AUTO-TIME CONTROL SYSTEM. After the set temperature is attained the timer starts automatically and on completion of set count down/up time the supply to heaters is cut-off and the system sounds a buzzer alerting user that the cycle is over.
- Digital Pressure Indicator displayed directly into the main control panel.

Model	MVA-22	MVA-40	MVA-50	MVA-78	MVA-98	MVA-187
Dimension (Dia x Height)	220 x 400 mm	400 x 600 mm	500 x 800 mm	780 x 1000 mm	980 x 1200 mm	1870 x 1800 mm
Size of Basket (Dia x Height)	150 x 300 mm	300 x 500 mm	400 x 700 mm	600 x 900 mm	800 x 1100 mm	1500 x 1600 mm
Max. Weight Load	22 kg	40 kg	50 kg	78 kg	98 kg	187 kg
Pressure Gauge	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)
Pressure Vessel	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)
External Wall	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)
Lid	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)	0-2.1 kgf/cm ² (30 psi)
Power Supply	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz



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AUTOCLAVE HORIZONTAL



- Horizontal Double Walled Autoclaves are most ideal for critical applications requiring assured and reliable total destruction of all living micro-organisms.
- An ideal tool for Laboratories, hospitals, nursing homes, R & D labs etc.

CONSTRUCTIONAL AND SALIENT FEATURES

- Double walled unit horizontally mounted on a sturdy, heavy stainless steel tubular stand.
- Both inner chamber and outer wall made of S.S. 304 grade.
- Pressure is adjustable from 10-20 psi.
- Fitted with pressure gauge, safety valve and steam release valve.
- Available with separate boiler.
- For units fitted with S.S. Boiler, separate valves for injecting the steam into the main chamber and releasing the steam in atmosphere after use are provided.
- Automatic vacuum breaker is provided to break the vacuum in case of formation of vacuum due to steam condensation.

CONTROL PANEL AND SWITCHGEARS

- Automatic Low Water Level Cut-Off Device fitted for general safety of the element.
- Fitted with Automatic Pressure Control Switch.
- Fitted with dial thermometer to indicate the inner chamber temperature.
- Lid is made of thick machined stainless steel plate lined with stainless steel from inside
- Supplied without jacket (Double walled chamber with separate boiler).
- Industrial grade energy efficient heaters reduce power bills drastically.
- Technical Specifications & Ordering Informations

OPTIONAL

- Digital Temperature Indicator can be supplied in lieu of dial thermometer.
- Microprocessor Based Semi-Automatic Digital Controller with AUTO-TIME CONTROL SYSTEM. After the set temperature is attained the timer starts automatically and on completion of set count down/up time the supply to heaters is cut-off and the system sounds a buzzer alerting the user that the cycle is over.
- PLC Controller with 32 character (16x2 lines) backlit alphanumeric LCD display with Automatic Digital Minute Timer and alarm for end of cycle. It enables automatic purging of state air, sterilizing hold time for sterilizing period and cycle and with automatic exhaust of pressure.
- Digital Pressure Indicator displayed directly into the main control panel.

Model	MHA-22	MHA-40	MHA-50	MHA-78	MHA-98	MHA-187
Capacity (L)	22	40	50	78	98	187
Inner Chamber Dia (mm)	220	400	500	780	980	1870
Inner Chamber Depth (mm)	220	400	500	780	980	1870
Outer Chamber Dia (mm)	220	400	500	780	980	1870
Outer Chamber Depth (mm)	220	400	500	780	980	1870
Pressure (psi)	10-20	10-20	10-20	10-20	10-20	10-20
Temperature (°C)	121	121	121	121	121	121
Time (min)	0-99	0-99	0-99	0-99	0-99	0-99
Power (kW)	1.5	2.5	3.0	4.5	5.5	10.0
Weight (kg)	150	250	300	450	550	1000
Material	S.S. 304	S.S. 304	S.S. 304	S.S. 304	S.S. 304	S.S. 304
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year



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INFANT RADIANT WARMER



**Model No.
MIRW-108**

Mobile :

- > Matrix Medical System Warmer is designed for easy mobility over a bed, bassinet or examination table - anywhere warming is needed.

Easy to Use :

- > While technologically advanced (microprocessor controlled). we have kept the warmer simple and easy to use.
- > Warming without delay- Manual mode
- > The manual mode allows the warmer to be kept “baby ready” without any nuisance alarms, and when needed, the warmer provides safe, powerful and controlled warming without delay.

Features :

- > The warmer programming shows the temperature in °C as well as °F
- > In Probe failure case the warmer technology automatic change in automatic mode to manual mode.
- > If warmer needs calibration, here is a cool feature in warmer they indicate the red light on alarm display panel.
- > **(OPTIONAL)** Battery backup up to two days (excluding heater)



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LED PHOTOTHERAPY UNIT

LED PHOTOTHERAPY UNIT Model no. MLPU-108 is a Great radiation, quicker result in curing jaundice in babies, Low energy consumption and With LED hourmeter that reports the treatment time, patient total usage time irradiance measurements. It has Better performance, micro processor equipped compact model. No heat build up and 10 times more efficient.

Irradiance :

>> $50 \text{ W cm}^{-2 \text{ nm}}^{-1}$ at 45cm from the With adjustable Intensity (High, Medium & Low)

Wavelength :

>450-460 nm (peak 451 nm). Free of UV and IR radiation.

Lamp type :

>Light emitting diode (LED) for 50,000 hours providing the same intensity level.

Height :

>Adjustable from $1270 \pm 20 \text{ mm}$ to $1730 \pm 20 \text{ mm}$ up to 90° on either side.

Time totalizer :

>Digital LCD (compact)

1. Time totalizer for the LED running time (non –resettable)
2. Therapy timer for the treatment time (resettable)

Examination lamp :

>The LED PT is provided with 1 useful examination Lamp (Optional) that provides normal light when the baby needs to be attended to by doctors or nurses.

Cooling fan :

>Centrifugal type to dissipate the heat created by LED's

Electric supply :

>120-240 V 50/60 Hz

(Optional) Power Backup :

>Fully working on battery backup upto 5 to 6 hours without any delay.

Coating :

>Epoxy/power coated body for scratch and rust prevention.

Mobility :

>4 swivel caster, including 2 with brakes.



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