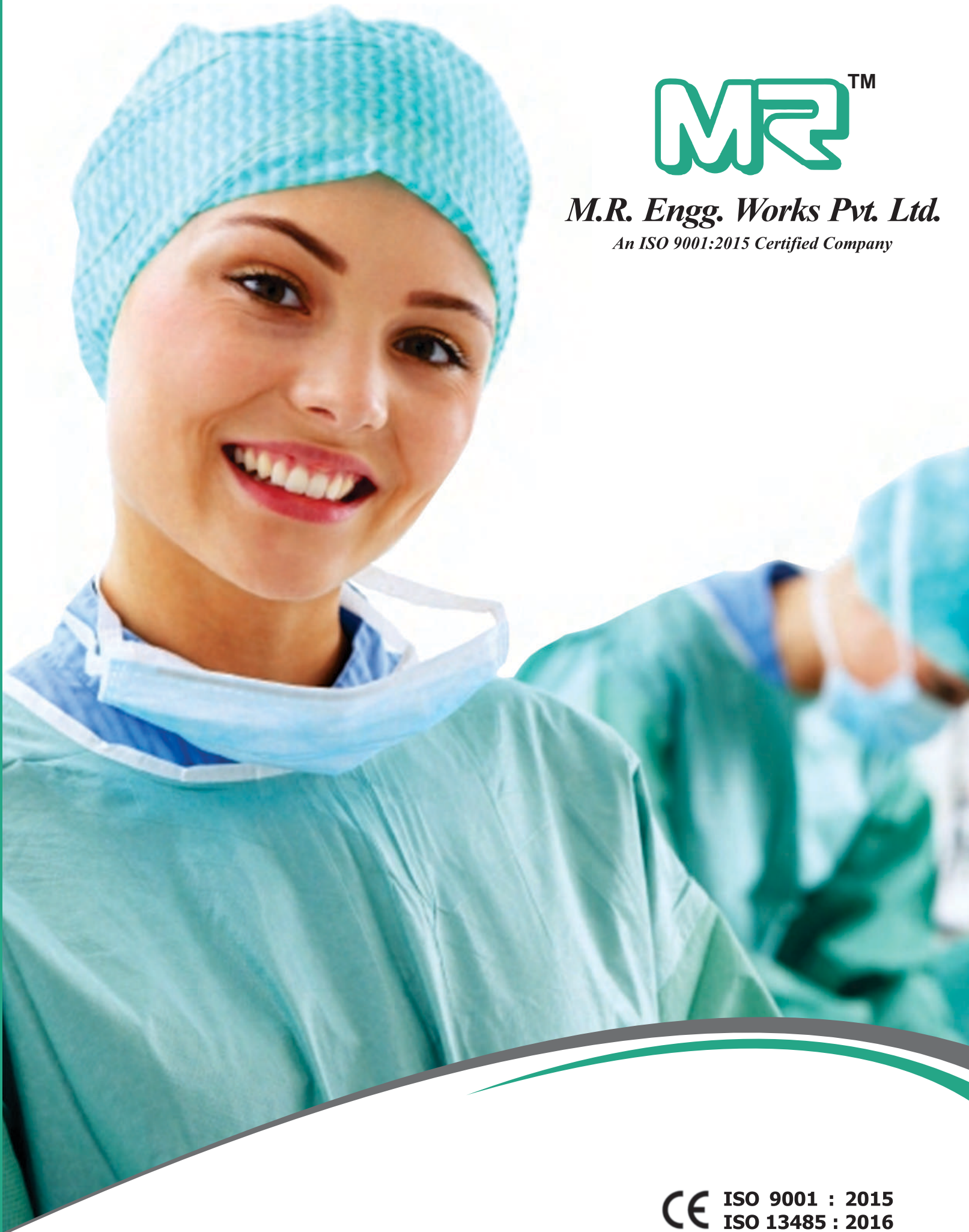




***M.R. Engg. Works Pvt. Ltd.***

*An ISO 9001:2015 Certified Company*



**CE** ISO 9001 : 2015  
ISO 13485 : 2016

**MEDICAL GAS PIPELINE SYSTEM | CUBICAL CURTAIN TRACKS | NURSE CALL SYSTEM  
MODULAR OPERATION THEATERS**

[www.mrengineeringworks.in](http://www.mrengineeringworks.in)



# Who We Are

M.R. Engg. Works Pvt. Ltd. (Formerly M.R. Engineering Works) is one of the leading manufacturers & suppliers of **Medical Gas Pipeline System (MGPS)**. We take special care that **Medical Gas Pipeline Systems (MGPS)** is a patient's life support and its designing & installation require a precise technical expertise. Thus, continual skill development and innovation is central to our organization. Employing technological expertise in design and development of newer products for critical application we have carved out a special space in the **Medical Gas Pipeline Systems (MGPS)** industry which has led us to succeed in Indian & Foreign markets.

We undertake design, developments and making of precision engineered array of **Medical Gas Pipeline Systems (MGPS) products** for specialized application in **Medical & Health Care Domain**. We employ latest technology to make high performance systems that ensure precision, consistency in the result and ruggedness in use. It is our advance R&D division that has been continuously contributing to developing & offering best quality of **Medical Gas Pipeline Systems (MGPS) products**. The entire manufacturing processes at our facility are executed by qualified and experienced promoters of the company who have an experience of over last five decades.



Ex-Serviceman of 

[www.mrengineeringworks.in](http://www.mrengineeringworks.in)

# Vision & Mission

To be the best performing and leading manufacturer, supplier, service provider and technology consultant of Medical Gas Pipeline Systems (MGPS) company in the world as determined by our customers, employees, suppliers and the communities in which we operate.

Making well equipped innovative medical equipments to enhance the utmost needed care to each patient more homely. We develop our products with update technology which help for sustaining and by giving support to Doctor's to give better care to patients with latest equipments. We are committed in continuous improvement (KAIZAN) related to quality performance so as to reach our mission and goal.

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**M.R. Engg. Works Pvt. Ltd.** (Formerly M.R. Engineering Works) gratefully owes its existence to its founder **S. Mohinder Singh** whose hard work has led the company to carve out a large space in **Medical Gas Pipeline System (MGPS)** manufacturing and business sales. A person of strong discipline and commitment towards his profession joined BOC India Ltd in 1962. With his distinguished service of 35 years in BOC India Limited he had put forth all his learned professional skills from the year 1962 to 1996.

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In the year 1996, with the brilliant skills and innovative ideas, established own Manufacturing & Trading business in the field of **Medical Gas Pipeline Systems (MGPS)** in Delhi. Being an **ultimate & unique expertise** in his profession, personally supervised the manufacturing of the product to the finished quality product only by maintaining strict quality control to ensure that the ultimate & unique products could reached the market.

Following the strict vigilance on delivery schedule he ensured that the desired product should reach the destined place in due course of time without any delay.

Thus by his own principles & commitment towards his professionalism and dealings with vendors all over India and abroad. **S. Mohinder Singh** has carved out a niche for him. Today **Medical Gas Pipeline Systems (MGPS)** products and accessories manufactured in the unit of **M.R. Engg. Works Pvt. Ltd.** are very much on highest demand by **Corporates, Government Hospitals, Private & Government Medical College and Clinics** all over India and abroad.

Even **BOC India Limited & Multinational Companies** – the pioneers in the field – are having products of **M.R. Engg. Works Pvt. Ltd.** on their approved Vendor List.

Deserving credit for this coveted eminence, technological and innovative superiority of products of **M.R. Engg. Works Pvt. Ltd.** goes to **S. Mohinder Singh**.

May God bless him long life to **ENDEAVOUR HIS IDEOLOGY & GUIDANCE** to the Company for the coming years.



# Company Profile

We are delighted to introduce ourselves as a leading manufacturer, supplier, service provider and technology consultant of Medical Gas Pipeline Systems. We have been supplying and fixing our products for the last 35 years at various Medical Institutes, Hospitals & Nursing homes. Use of advanced technology has allowed us to ensure exactness & accuracy in products manufactured. We have successfully achieved a notable place in the market, owing to quality of products and services. Our widespread R&D activities support us to offer safe & hygienic gas delivery systems to our customers.

We have a well equipped manufacturing unit with refined equipments that permit us to achieve the target for bulk production, within time frame given by our customers. Use of latest design software's inspires us to deliver dimensionally accurate products and according to the needs of our customers. Further, the entire manufacturing and assembly line is supported by our best efficient and experienced workforce. Our strict firmness on Quality Control during manufacturing process together with R&D inputs guarantees superior quality products to reach the end users. It is our advanced R&D division that has been constantly contributing to develop & offer the best quality of Medical Gas Pipeline Systems (MGPS) products. The entire business operations at our facility are successfully accomplished by qualified and skilled promoters of the company.

Our products are of utmost standard and quality giving constant and freedom-free performance and service leaving no space for any complaint. Our after sale service together with guarantee on various products are a plus point to our Brand Name – M. R., which is authenticated from our annual turnover. Our customers are completely satisfied with our performance and efficiency.

We are ISO 9001 : 2015 certified Company, complying with Medical Device Quality Management System (QMS) ISO 13485 : 2016 and our products matches to International Quality Standards (IQS) resulted to hold "CE" Mark. We have been catering our services according to the needs of Medical College, Hospitals & Nursing homes all over india. We are also well established in our dealer's network for various states of India such as Bangalore, Delhi, Hyderabad, Kerala, Maharashtra, Mumbai, Madhya Pradesh, Orissa, Punjab, Uttar Pradesh & Tamil Nadu etc.

It would not be odd to mention here that our effective prices are most competitive and reasonable according to the customer needs. It will be an honour for us, if you could kindly enlist our name in your project list and favour us with your valued enquiries which will be quickly attended by our competent work force with lighting speed.

Looking forward for long standing association with you. Thanking you in anticipation of your co-operation.

# Medical Gas Control & Automatic Changeover

Automated Control Panel is a panel attached to 2-4 banks having multiple gas cylinders. Automated Control Panel System contains analog pressure meter for displaying pressure of each incoming bank and main line gas pressure. As soon as the gas in one bank runs below set pressure, it sounds an alarm and switches to the other bank. Specific colored LED lights indicate the bank in use and the bank on standby. The device also indicates whether the gas pressure is in normal or low along the banks and the mains. The Digital Automated Control Panel displays actual pressure in each bank. The feature of parallel system is available in which multiple displays are placed at different locations (or floors) which also show the same indicators as in the main System. These panels come with RS-485 Modbus interface for BMS connectivity. Provision is made for adding external NO/NC interface for each bank individually. GSM Gateway can monitor the status of each Automated Control Panel and report status as desired.

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Semi – Automatic Control Panel



Fully Automatic control panel - Analog



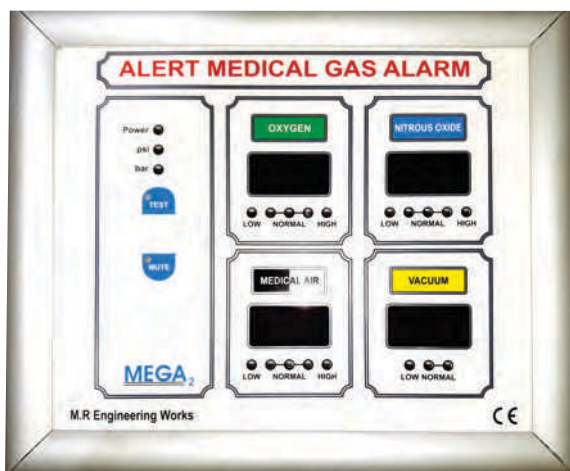
Fully Automatic control panel - Digital



3 Source Fully Automatic control panel

# Alarm System

## Digital Gas Alarm Systems



Digital Gas Alarm Systems come in 1, 2, 3, 4, 5, 6, 7 and 8 gas categories where the number indicates the number of gasses the system can handle. The system measures the pressure of the different gasses coming from the pipe lines and displays the measured levels on the panel in psi and bar. In case of High Pressure or Low Pressure it generates appropriate Alarm. These alarms come with RS-485 Modbus interface for BMS connectivity. One NO/NC terminal is built-in for alarm extension and provision is made for adding external NO/NC interface for each gas individually. The alarm is shown on the Master Alarm System which is placed with the administration and can also be communicated through SMS using GSM Gateway.

## Analog Gas Alarm Systems

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## Master Alarm



Master Alarm System is a mainly used in the system for providing information and current status of multiple gas alarms and is capable of supporting various gas alarms of different gas categories. The main feature is for remote monitoring of various gas alarms installed in Hospital's rooms with displayed color LEDs. The main benefits of this product are:

- ◆ Support for multiple gas alarms (Max up to 20).
- ◆ Different category gas alarm support (2 Gas to 6 Gas type).
- ◆ Real time and simultaneous monitoring.
- ◆ Interactive color LED's, push buttons and 7-segment display.
- ◆ Buzzer provided for sound alarm.
- ◆ Mute and test buttons.
- ◆ 485 connectivity for long range.



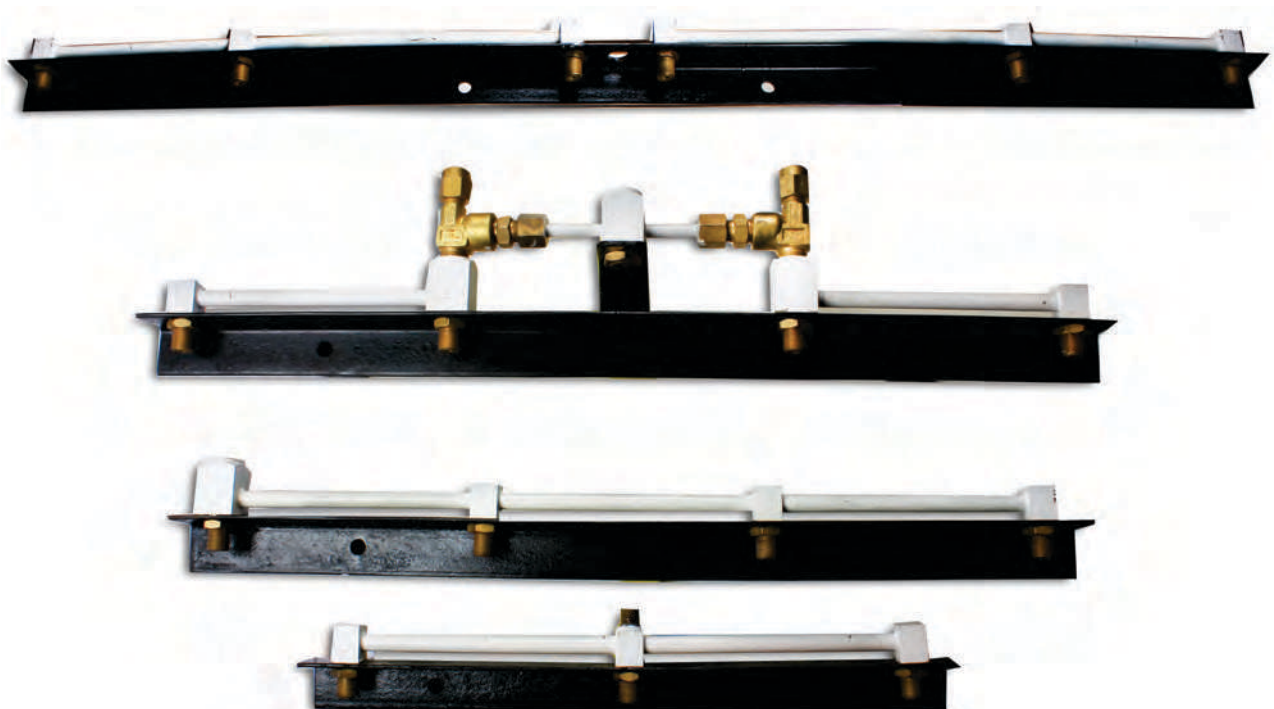
# Area Valve Service Unit

Area Valve Service Unit are mainly used in Medical Gas Pipeline System of individual zones without disturbing the gas flow to other zones. In case of emergencies, Area Valve Service Unit can also be used to shutoff of gas distribution to individual zones. A single box can hold from 1 to 6 valves, allowing control of 6 type of gases. All boxes are factory-assembled with the smallest valve on top, largest on bottom.



08

## Manifold System





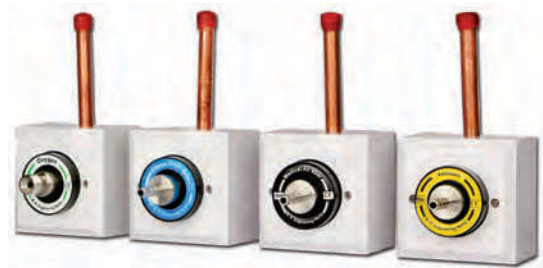
# Medical Gas Outlets



DISS Standard type Gas Outlet



Puritan-Bennett type Gas Outlet



British Standard type Gas Outlet



Parkodex type Gas Outlet



German Standard type Gas Outlet



Ohmeda type Gas Outlet



Shrader type Gas Outlet



MC - 70 type Gas Outlet

# Accessories



BPC Flowmeter with Humidifier Bottel



Ward Vacuum Units



Isolation Ball Valves



Theatre Section Trolley



Theatre Section Trolley



Theatre Section Trolley



Medical gas accessories



Plactic Shaddles & Clamps



Pressure gauges



Aluminium Cylinders



Copper Fitting



Regulators

# Accessories



French Type Regulator with  
Bacteria Filter & Safety Trap



Vacuum Regulator



Flexible Tail Pipe Connection.



High Pressure Tubing



Baskets



BPC Flowmeter with Humidifier Bottel



BPC Flowmeter with Humidifier Bottel



Vacuum Jar



# Monitor Stand



Monitor Stand Multi Movement



Monitor Stand

# Cubical Track



IV Hanger





# Nurse Call System

Nurse Call system acts as an interface between patients and the hospital administration/nurses. The main unit is placed with the administrator and its subordinate 'Corridor panels' placed outside every room. The corridor panel is then connected to the very compact, easy to handle bed panels which are used by the patients to call the nurse. Nurse Call System makes the patient administration efficient and greatly simplifies patient care. The patient can press the appropriate button when he requires assistance, which will then show on the corridor and main panels. If the nurse is near the room, she will see the corridor panel light and immediately assist the patient. Otherwise, the attendant at the main panel can acknowledge the call, which will light up the LED 'waiting' on the bed panel informing the patient his call has been acknowledged. The main panel displays the corridor wise and room wise segregation of panels. The usual problems associated with installing such systems are extensive and complicated wiring. The usage of single cable wiring in Nurse Call System makes sure wiring is easy and not expensive.

The system's module consist of :

- Central Display Console
- Bed Side Unit
- Corridor Unit
- Bathroom Unit
- Patient Remote



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# Pendants



Stainless Steel Rigid Pendant



Endoscopy / Laproscopy Pendant



Shelf Type Double Arm Pendant

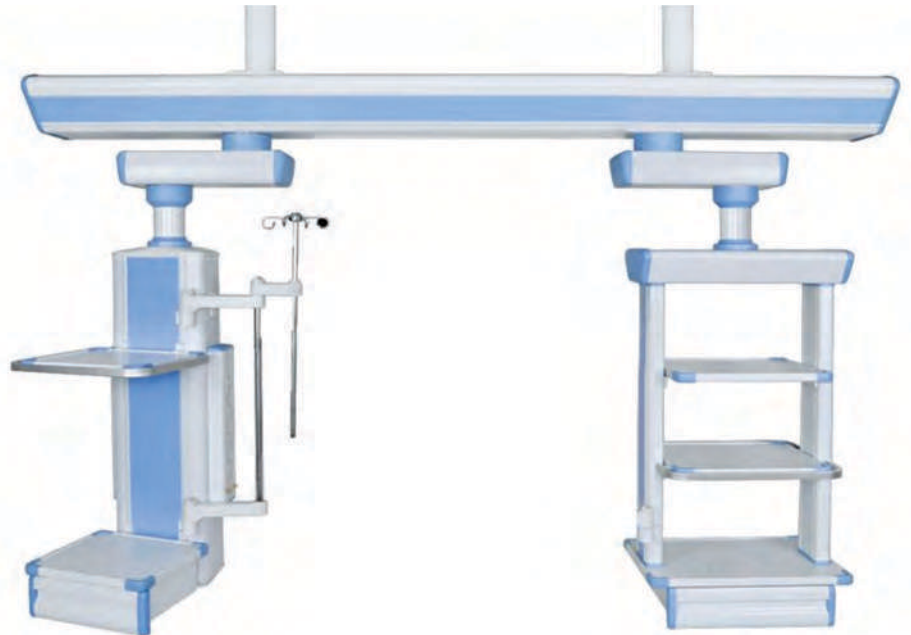


Double Arm Pendant

# Pendants



Swivel Pendant

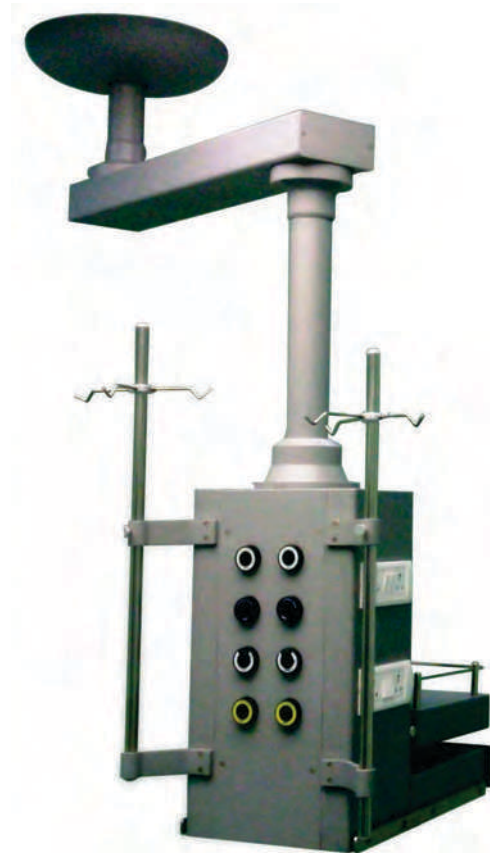


ICU Pendant

15



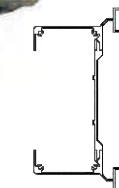
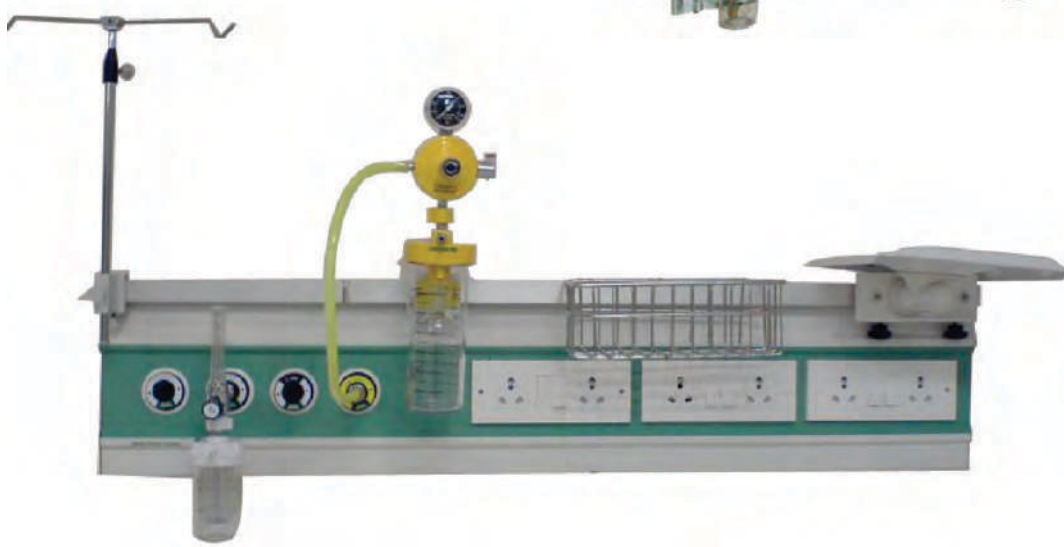
Single Arm Pendant



Single Arm Pendant



# Bed Head Panel



16







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## Columns

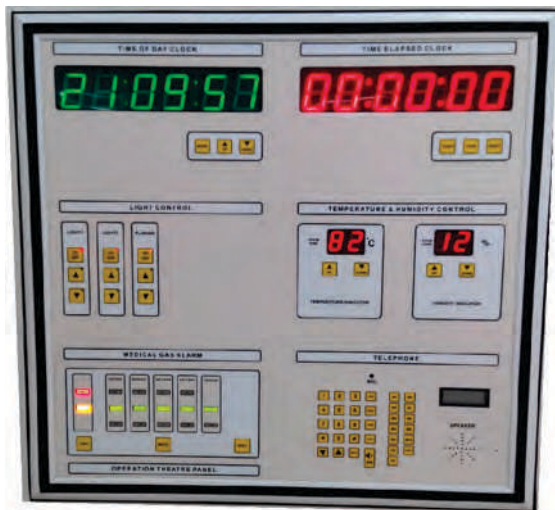


Vertical Panel



Horizontal Panel

# Operation Theatre



Operation Theatre Control panel



Hatch Box

18

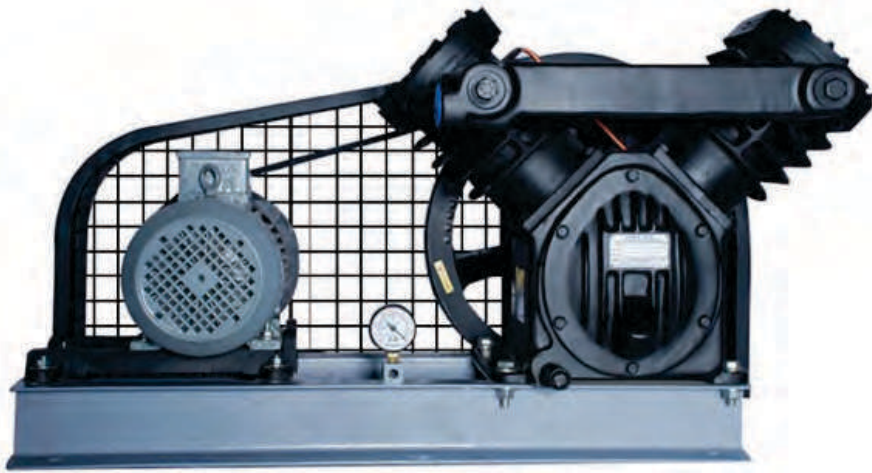


Scrub Sink





# Air Compressor & Vacuum Pump



Vacuum Pump



Receiver Tank

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Air Dryer



Air Compressor



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