

ULTRACARE TECHNOLOGIES

About us

ULTRACRE TECHNOLOGIES has been catering to varied requirements of the Hospital industry .

We having a strong consultant team who is able to provide proper guidance to build varies department of the Hospital.

Our focus is to be a single source sales and services for all of your major equipment in Medical gas pipe line and Modular Ot's. Our clients find that with one point of contact, the purchasing process is a much more efficient and pleasant process.

ultracare10@gmail.com

Products Range

- ✓ *Medical Gas Pipe Line System*
- ✓ *Modular & Pre-fabricated OT's, ICU, ICCU, NICU*
- ✓ *Scrub sink (auto and manual)*
- ✓ *Oxygen Generator/ Concentrator Plants*
- ✓ *Nurse Call System*
- ✓ *Wall Guard & Corner Guard System*
- ✓ *Cubical Partition Track System*
- ✓ *Hospital Beds & Hospital Furniture's*
- ✓ *All Kinds of Flooring*



M : 9826189787



M : 9039375278



Ultra Care Technologies

Medical Gas Pipe Line Sales & Services

Also Available : Nurse Call System, Hospital Curtains, Bed head panel, Pendant, Modular OT, ICU, Scrub sink, LED O.T. Light, Medical Pumps, Hospital Furniture, Oxygenerator. Turnkey Project.





Oxygen



Medical Air



Nitrous Oxide



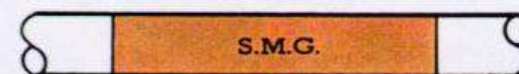
Medical Vacuum



O₂ + N₂O Mixture
(Entonox) BOC Trade Name



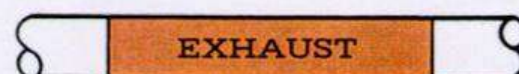
Spare Medical Gas



Carbon Dioxide



Exhaust



Pathology

Medical Vacuum for Pathology use

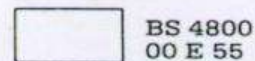
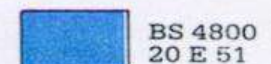
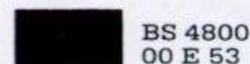
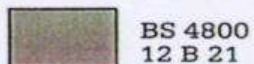


Anaesthetic Gas Scavenging



All pathology services identified by additional terracotta band

Base colours as follows:





21/07/2007



21/07/2007



MATEL B. P.C. WITH HUMIDIFIER BOTTLE



PLASTIC B. P.C. WITH HUMIDIFIER BOTTLE



HUMIDIFIER BOTTLE WITH "S" HOOK



HUMIDIFIER BOTTLE WITH PLASTIC MOUNDING NIPPLES



600 ML VACUUM JAR WITH REGULATOR



1000 ML VACUUM JAR WITH REGULATOR



2000 ML VACUUM JAR WITH REGULATOR



SINGLE STAGE DOUBLE GAUGE O2 REGULATOR



IOX-14 REGULATOR



DOUBLE ADOPTER



SINGLE ADOPTER



"S" BRACKET FORGING LIGHT TYPE

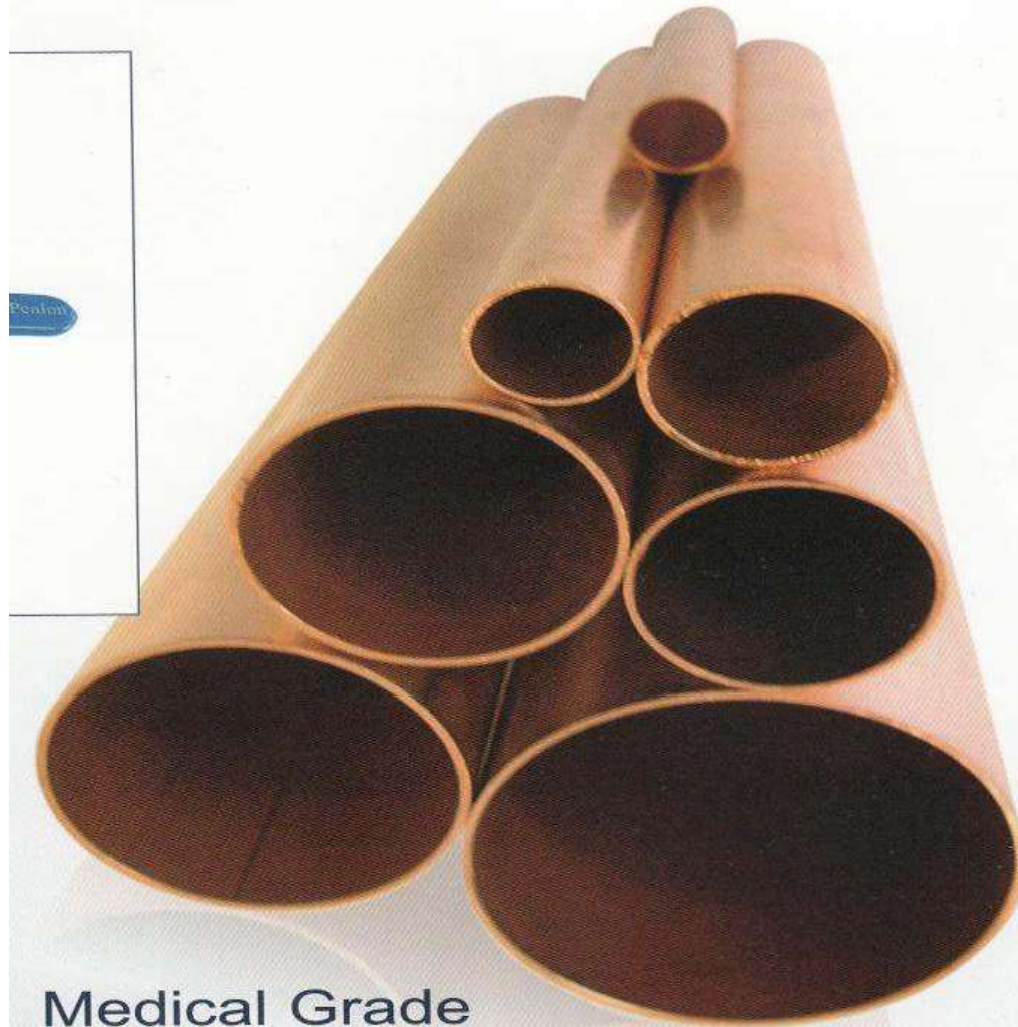


"S" BRACKET FORGING HEAVY TYPE



SELF SEALING VALVE





Medical Grade Copper Tube

Competitively priced, quality assured copper tubes, fittings and fixtures. Manufactured to BS EN 13348 and BS EN 1057. Degreased for medical use and fitted with plastic end caps and polythene wrapping to maintain cleanliness. R250 Half Hard for 12 – 54 mm. R290 Hard for 72 – 156 mm. Available in 6 to 159 mm o/dia. Full mechanical and chemical, and/or conformity certification, available.





21/07/2007

Pipework

Quality Assured, Medical Grade,
Certificated Copper Tube, Fittings and Fixtures

NIST Lockable and Lockable Line Valves

Provides maintenance or major works isolation facilities for medical gas pipelines. Full bore valves for minimum pressure loss. Lockable in open or closed positions. Compatible padlock also available. Supplied with copper stub pipes for ease of installation. Gas specific NIST connections available in one or both stub pipes. Three year warranty.



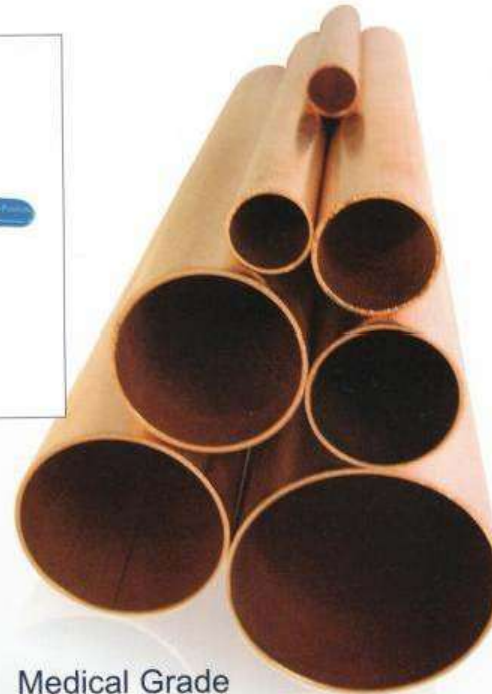
Standards

- ✓ BS EN 737
- ✓ HTM 2022
- ✓ HTM02
- ✓ C11

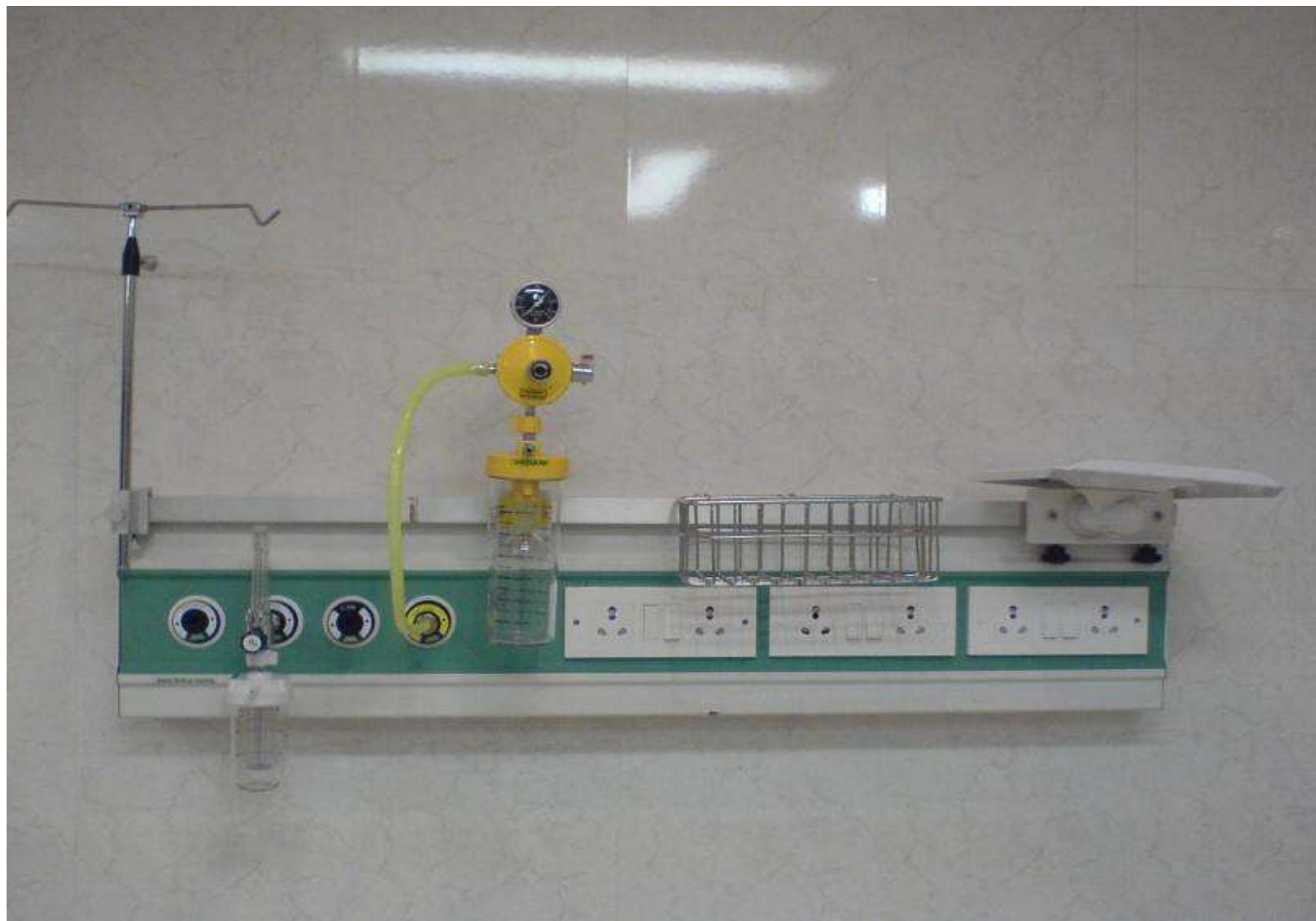


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BED HEAD PANELS



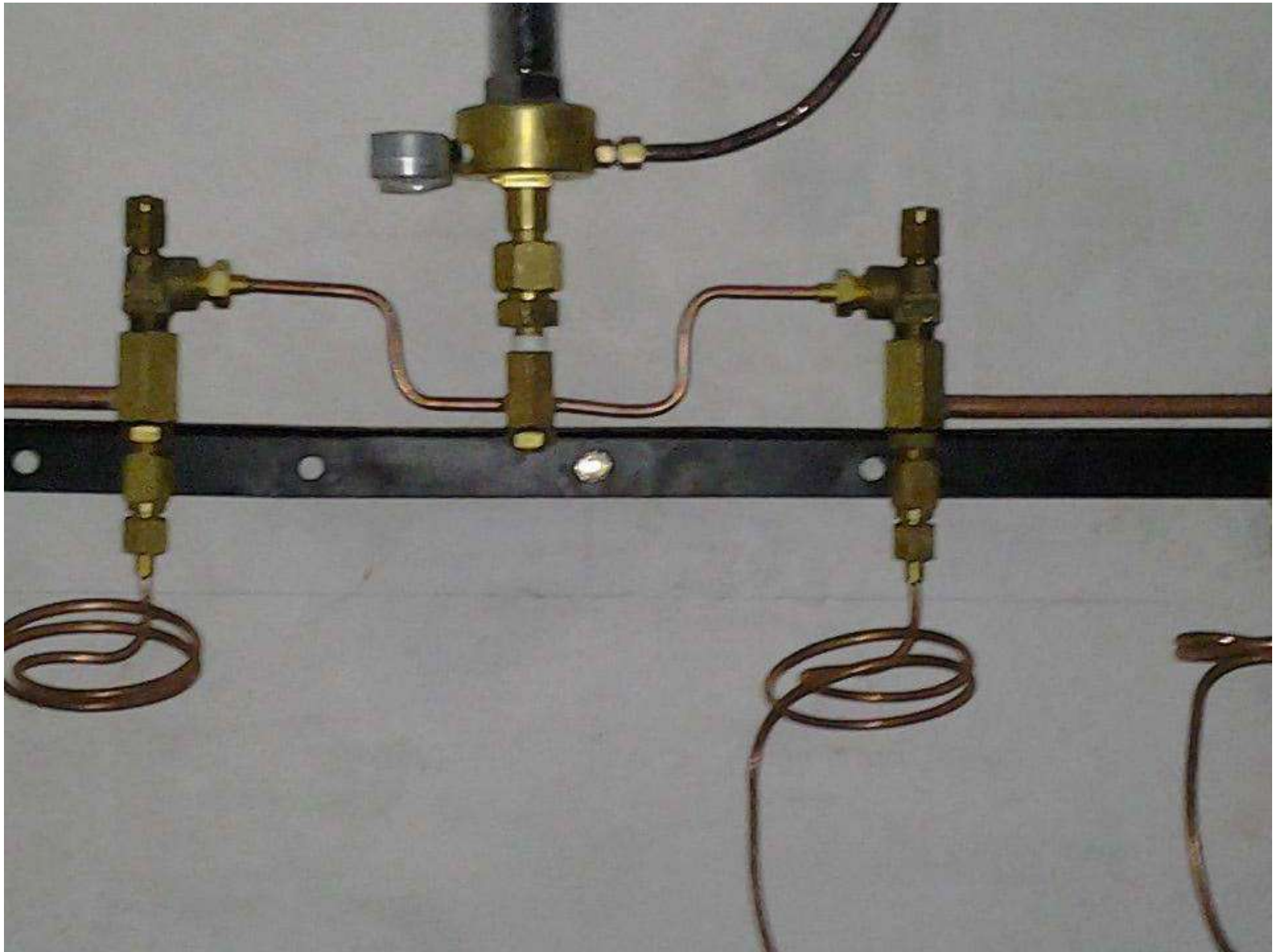








02 MAINIFOLDS









OXYGEN

Digital Fully Automatic Control Panel

POWER ●

HEAT ●

BACK ●

HEATING

HEATING ON ●

HEATING OFF ●

LOCK ●

61

ROOM TEMP

● HEAT

● HEATING

● LOCK

80

SET POINT

HEAT

HEATING

1796

FRONT BOARD

● HEATING

● HEATING ON

● HEATING OFF

● LOCK

CE
K.A Engineering Works



AKTIV AUTO-CHANGE OVER SYSTEM



GAS ALRAM



Specification

- ▶ The alarm is Microprocessor based. Each Sensor and display unit is gas specific, with an error message display for an incorrect connection.
- ▶ The area alarm is available in various models supporting up to eight gas and utility services.
- ▶ Each specific service is provided with an LED digital read out comprising of 0-200 PSI for pressure and 0-760mmHg for Vacuum. The digital read out provide a constant indication of each service being measured. A bar graph trend indicator is provided for each service indicating a green "Normal", yellow "Caution", and a red "High" or "Low" alarm condition. Under normal operation the bar graph display "Green" light on service usage. If an alarm occurs, the respective digits flash and the audible alarm sounds. Pushing the "Alarm Mute" button cancels the audible alarm, but the unit remains in the alarm condition until the problem is rectified. The audible alarm comes on again after user configured time if alarm condition persists.
- ▶ The default set points are about $\pm 20\%$ variation from normal condition. In the calibration/Configuration mode the following parameters are field adjustable with Infrared remote control: High/Low/Caution set points, Imperial/Metric Units, Repeat alarm Enable/Disable, Enable/Disable one or more services.
- ▶ "Test" and "Mute" buttons are further touch and easily accessible to operate and test the unit.
- ▶ The alarm box is fabricated from 18 gauge and 3/8" (M) BSP thread connection to the service line. The box mounting brackets are adjustable to accommodate for different wall thickness.
- ▶ Input power to the MR Alert-2 alarm is 200-240VAC @50Hz.
- ▶ The alarm is CE Marked and can be customized to meet HTM222/NFPA Standards.



Features

- ▶ The Digital Area Alarm M R Alert Series - 2 comes with complete with 1 year Warranty.
- ▶ Based on powerful 8051 Microcontroller for accurate and reliable operations.
- ▶ True digital LED read out with red "alarm", yellow "caution" and green "normal" based indication for each service.
- ▶ PSI or Bar read out (user configurable).
- ▶ Illuminated LED display readable even in poor lighting conditions.
- ▶ Self diagnostic & error message display for ease of maintenance.
- ▶ High / Low/Caution alarm set points are field adjustable for each individual service.
- ▶ Optional interface to the hospital M R Information Management System.
- ▶ Master alarm modules can be interlinked with area alarm modules.
- ▶ Repeat alarm, adjustable from 1 to 60 minutes, or off.
- ▶ Dry contacts for remote monitoring of the high & Low alarms.
- ▶ Gas specific sensors with 3/8" nut & nipple.
- ▶ In the calibration/configuration mode the following parameters are field adjustable with Infrared remote Control : High/ Low/Caution Set points, Imperial / Metric units, Repeat alarm Enable/Disable.
- ▶ MR Alert Series 2 alarm is CE accredited and each alarm panel is tested for thousand cycles of operation.
- ▶ All modules are mounted in the box with aluminum frame for easy accessibility.
- ▶ Optional interface to PC running windows with Ethernet Compatibility.

M.R. Engineering Works

Regd. Office : T-29/L-22, Baljeet Nagar, Road No. - 25, Near West Patel Nagar, New Delhi - 110005.

Works : Plot No. - 50, 1st & 2nd Floor, Street No. - 6, Railway Line Side, Anand Park Industrial Estate, New Delhi - 110005.

Ph. : - 011 - 26705177, 32805490 | Mob. - +91-9810344760, +91-9811610677, +91-9899938067

E-mail : mrenggworksmain@yahoo.com, mrenggworksgmail.com | Web site : www.mrenggworksmain.com



Penlon

www.penlon.com

BAS/12

POWER ON

ALARM SYSTEM FAULT

BATTERY RESERVE

OXYGEN

NORMAL

HIGH PRESSURE

LOW PRESSURE

NITROUS OXIDE

NORMAL

HIGH PRESSURE

LOW PRESSURE

MEDICAL AIR 4 BAR

NORMAL

HIGH PRESSURE

LOW PRESSURE

SURGICAL AIR 7 BAR

NORMAL

HIGH PRESSURE

LOW PRESSURE

VACUUM

NORMAL

LOW VACUUM



MUTE TEST

PA 6

MEDICAL GAS AREA ALARM

SCRUBSINK

MANNUAL AS WELL AS AUTO WITH
1TO 5 MINUT TIMMER



1 3:31PM



OT VACCUM TROLLEY

1) SS

2) POWDER COATED

OT VACCUM SUCTION TROLLEY

SS TROLLEY



VACCUM TROLLEY

POWDER COATED VACCUM TROLLEY.



FLOORING

1) EPOXY

2) VENYL





vinyl Flooring



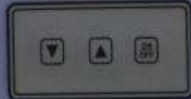
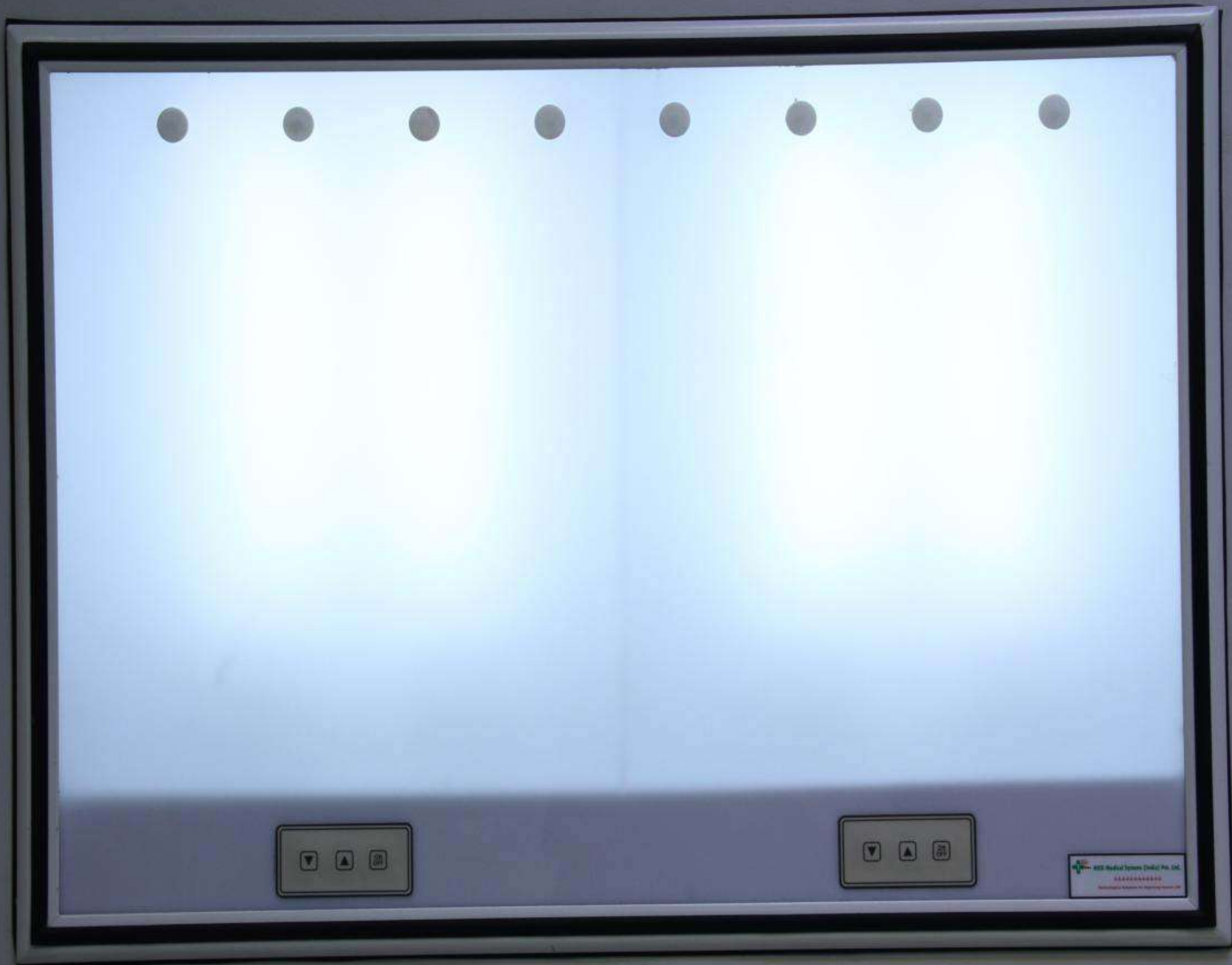
MODULAR OT ITEMS





MSI Medical Systems (India) Pvt. Ltd.

Pune, India



MSD Medical Systems (India) Pvt. Ltd.

Bioscience Avenue, Hyderabad, India

X-Ray Viewing Screen

Twin Plate X-ray Viewing Screen:-

- ✓ *High Frequency Fluorescent Lamps Controlled By Dimming Ballasts.*
- ✓ *Control Luminance Without Flicker.*
- ✓ *Uniform Level Of Illumination Across The Entire Front Panel.*
- ✓ *Sealed Flush With The Inside Face Of The Operating Theatre Wall.*
- ✓ *Spring Loaded Clips To Secure The X-ray When In Use.*



TIME OF DAY CLOCK

04:27:00

MODE ▲ ▼

TIME OF ELAPSED CLOCK

00:00:00

START STOP RESET

TEMPERATURE & HUMIDITY CONTROL

22 °C 69 %

TEMPERATURE HUMIDITY

LIGHT CONTROL

FLUORESCENT LIGHT

ON/OFF

▲

▼

GENERAL LIGHT 1

ON/OFF

▲

▼

GENERAL LIGHT 2

ON/OFF

▲

▼

MEDICAL GAS ALARM

	OXYGEN	NITROGEN	MEDICAL AIR & VAPOR	SUPPORT GAS 1 (N ₂)	MEDICAL VACUUM
ALARM	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF
TEST	LOW	NORMAL	NORMAL	NORMAL	NORMAL
	LOW	LOW	LOW	LOW	LOW

TEST MUTE RESET

TELEPHONE

MIC

1	2	3	PAUSE	M1	M6
4	5	6	REDIAL	M2	M7
7	8	9	FLASH	M3	M8
*	0	#	HOLD	M4	M9
▼	▲	▼	▼	M5	M10
				LOCK	UNLK
				PRG	

MDD Medical System (India) Pvt. Ltd.



MOT Control Panel

Each control panel will contain :-

1. *Time elapse clock*
2. *Standard clock*
3. *Cut out for temp / humidity indicators*
4. *Control for peripheral/planair lights*
5. *Intercom / telephone*
6. *Medical gas alarm – visual & audio*







Automatic Hermetically Sealing Door Accessories

Compatible with all Metaflex accessories:-

- ✓ *Most common accessories for hermetic door:-*
 - ✓ *Activation:*
 - *Touch-less sensor*
 - *Opening push button*
 - *Elbow switch*
 - *Airlock interface*

 - ✓ *Safety*
 - *1 or 2 infrared barriers (photocells)*

 - ✓ *Control*
 - *Optima selector*
 - *Manu Link*
 - *Manu Tel*









3-1

GO STOP

REVERSE

M&M Medical Systems GmbH, P.O. Box 1234, 1234567890, Germany





TIME OF DAY/CLERK CLK

00:00

LOCK CONTROL

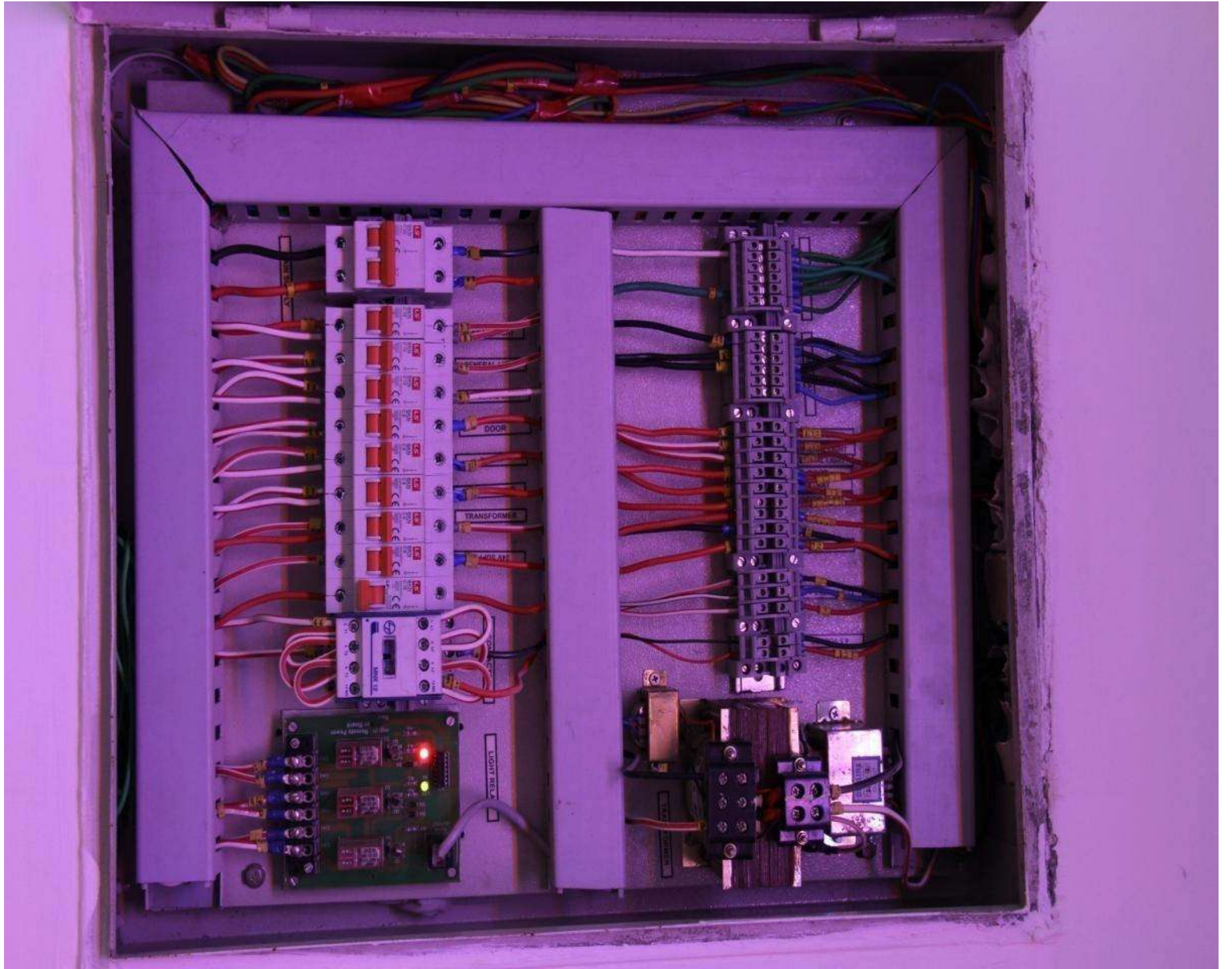
TELEPHONE



PERIPHARAL LIGHTS

MODULAR OT'S 8 PERIPHARAL LIGHT.





OT PENDANTS



Rigid Pendant

Ceiling mounted fixed column that can provide up to nine medical gas / vacuum services, together with up to eight twin electrical sockets. The casing is powder-coated steel with a stainless steel fascia plate. Terminal units are gas specific, colour coded, and allow attached hoses to rotate without transmitting twisting forces to the pendant. Two year warranty.







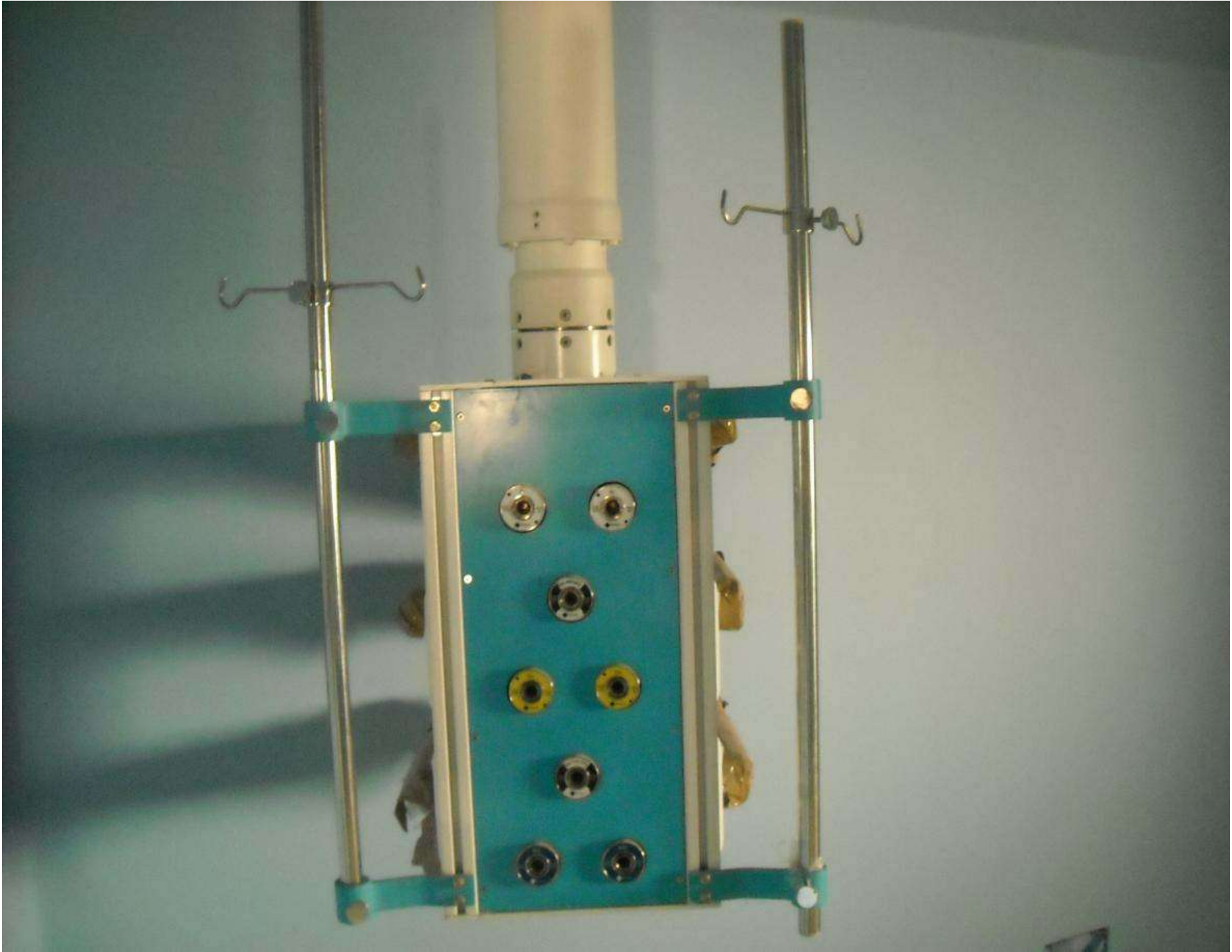


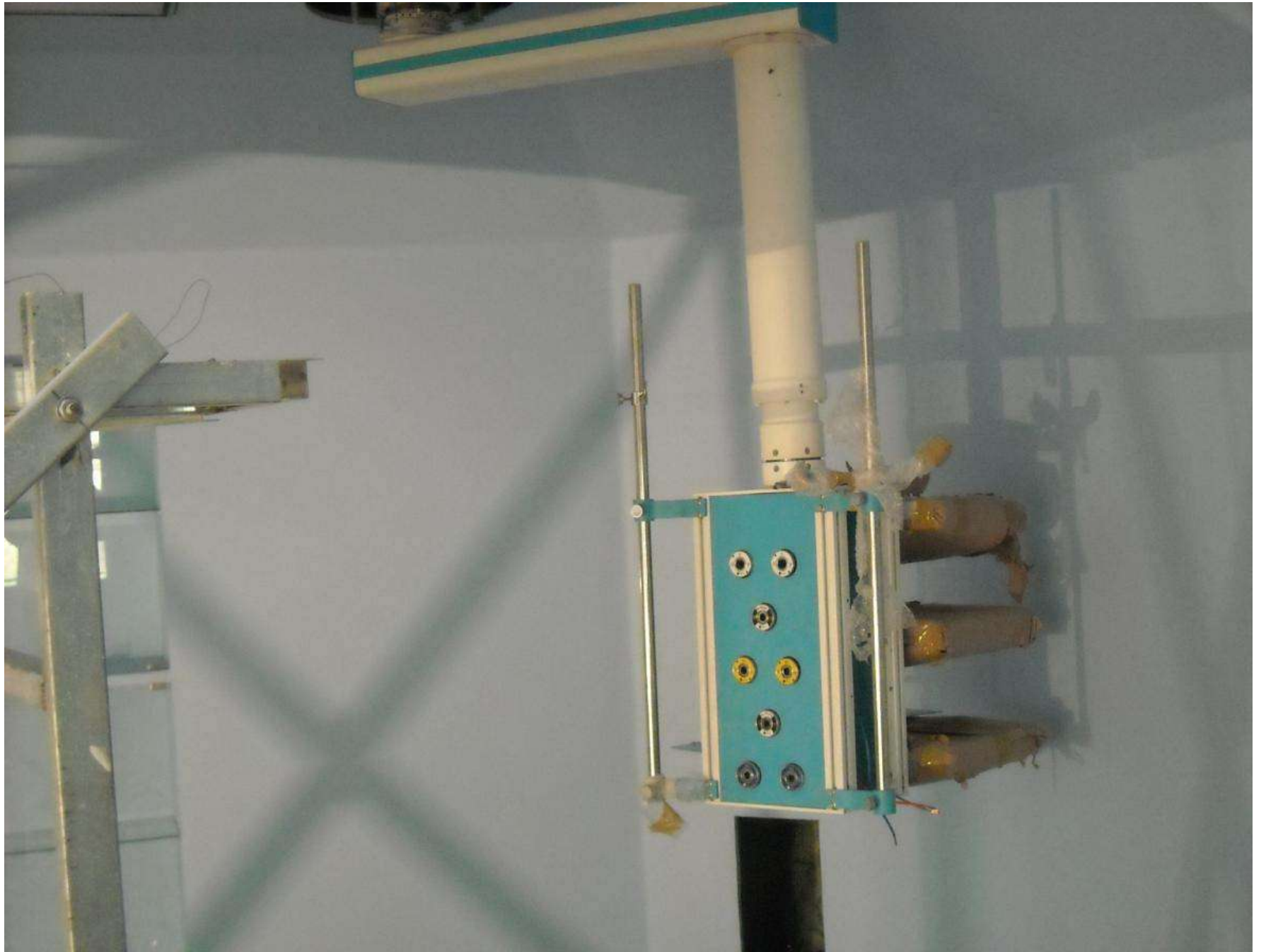
ANEASTHESIA PENDANT

HAVING 6 OUTLETS AND 4 ELECTRICAL POINTS.













Rotative Pendant



Rotative Double Arm

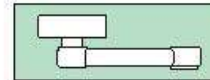


Rotative Double Arm

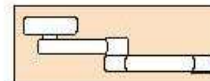
Rotative pendant is designed to meet the requirements of having the pendant either on right or left side of the operating table. Rotative pendant has flexibility of positioning of pendant head by simply rotating the pendant arms.

Rotative Pendant can be configured as single or dual arm system and the arms can be standard duty or heavy duty arms. Loads up to 1000 kg. are achievable depending on the arm version.

The support arms (as shown in pictures,) shall be extremely robust and revolve on high quality bearings, so that the pendant head glides smoothly and quickly to any desired position. Pivoting angle of 360 degrees in the dual arms offer a maximum freedom of movement and space to operate.



800 mm	1000 kg
900 mm	750 kg
1000 mm	600 kg
1200 mm	450 kg



800/900 mm	440 kg
900/900 mm	360 kg
900/900 mm	300 kg
900/1000 mm	250 kg
1000/1000 mm	200 kg
1200/1200 mm	170 kg



Rotative Double Arm



Rotative Single Arm

WHY DO WE REQUIRE SUCH AN O.T. ???

- ✓ *The principal living reservoir of human disease is the human body itself.*
- ✓ *It is estimated that between 5% to 15% of all Hospital patients acquire some form of Nosocomial infection (hospital stay acquired Infection).*
- ✓ *Surgical wound infections account for over 25% of recorded cases of Nosocomial infection.*
- ✓ *Nosocomial infections result from the interaction of several factors*
 - ✓ *- Micro-organisms in the hospital environment.*
 - ✓ *- The compromised (weakened) status of the host.*
 - ✓ *- Chain of transmission.*

Major Criteria for OT

- ✓ *Control The Temperature & Humidity*
- ✓ *Assist In The Removal And Dilution Of Waste Anesthetic Gases.*
- ✓ *Dilute Airborne Bacterial Contamination.*
- ✓ *Control The Movement Of Air Within The Department.*





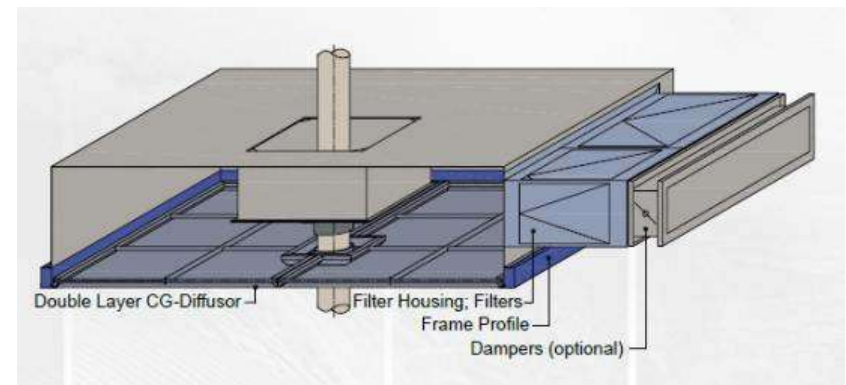
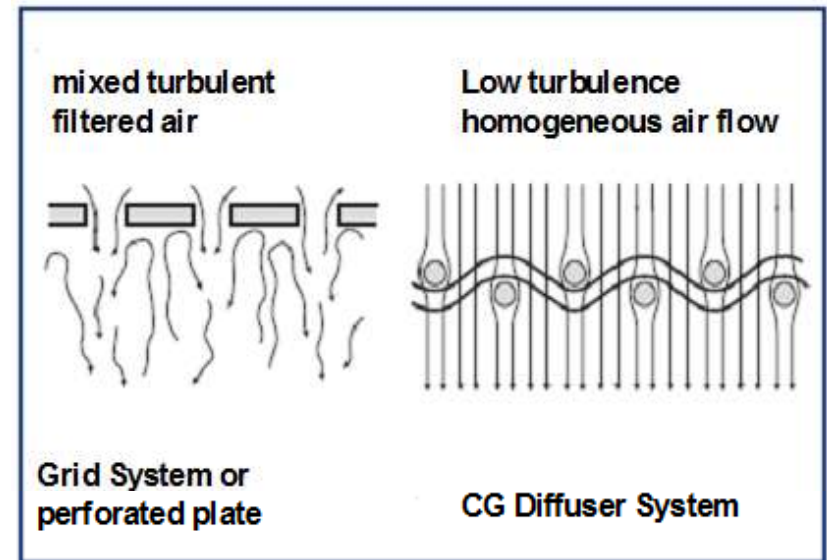


**CG3 LAMINAR
AIR FLOW AND
MODULAR OT**

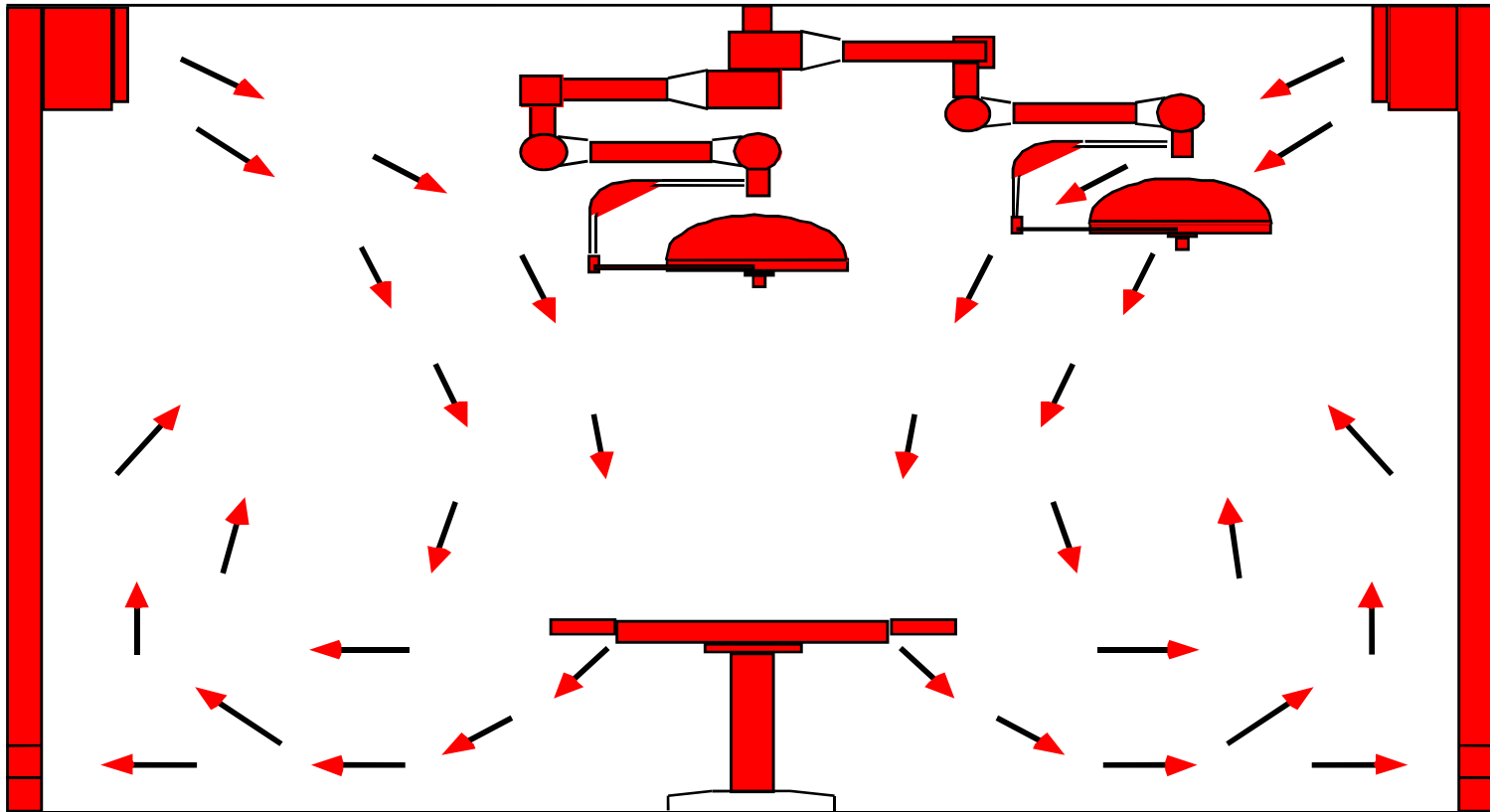
Air Distribution System

The supply of air to an operating room should have four main functions :

- ✓ *To control the temperature and humidity of the space.*
- ✓ *To assist in the removal and dilution of waste anaesthetic gases.*
- ✓ *To dilute airborne bacterial contamination*
- ✓ *To control the movement of air within the department, such that the transfer of airborne bacteria from clean to sterile areas is minimised*

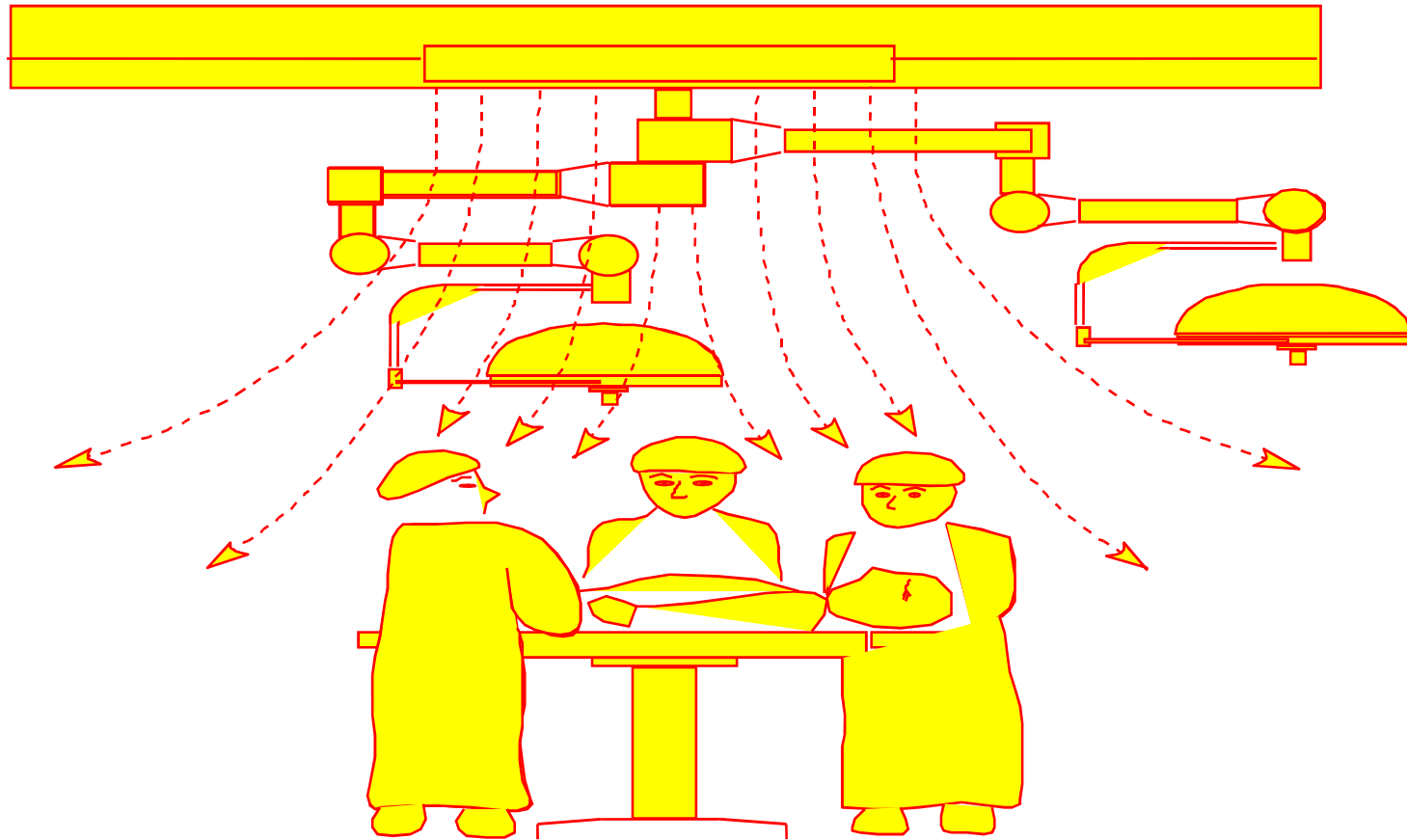


Conventional Ventilation Systems



Traditional Turbulent Flow Air Distribution System

Unidirectional Flow



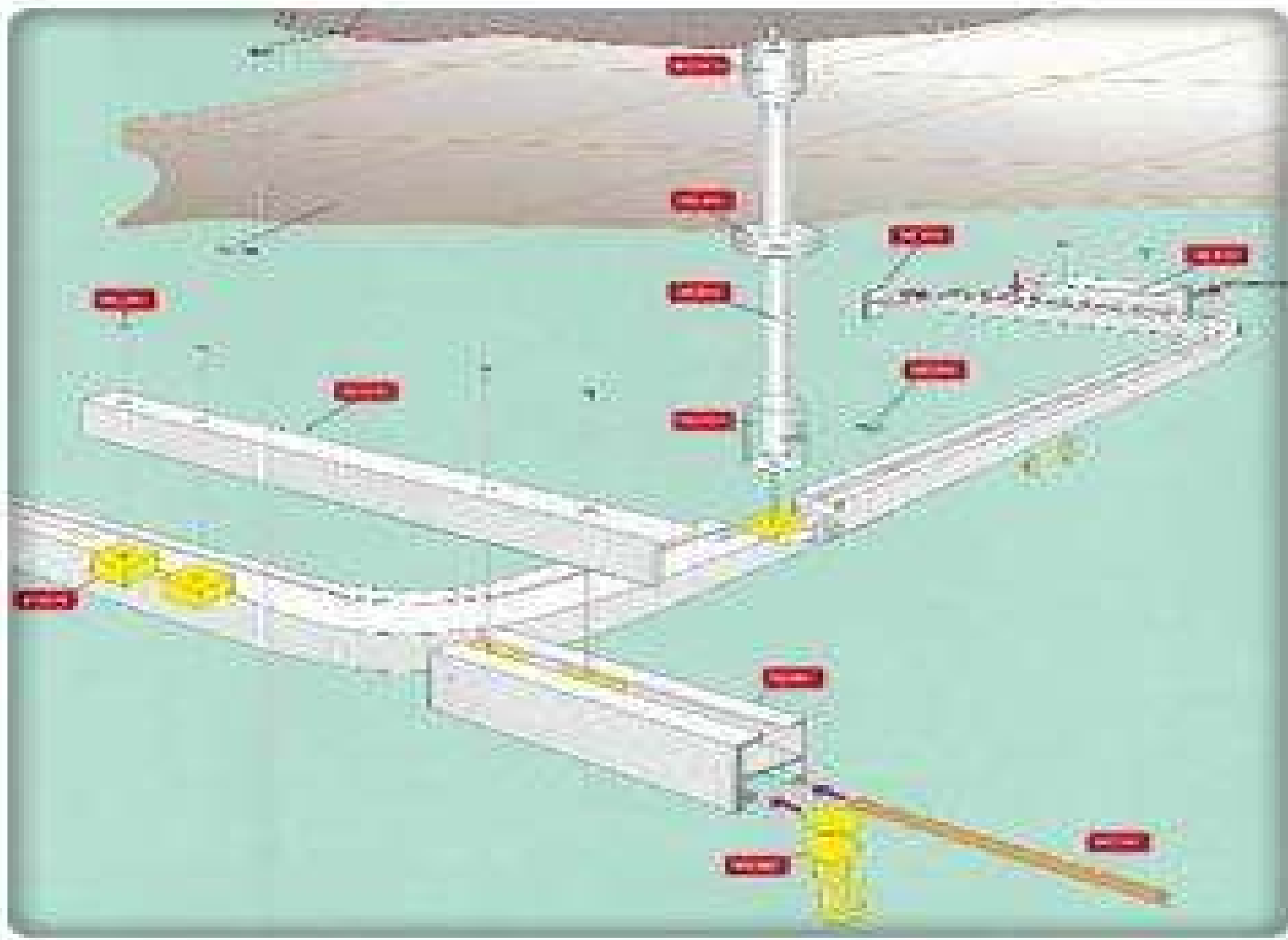
Unidirectional Air Distribution System







CURTAIN













**NURSE CALL
SYSTEM
WIRED AND
WITHOUT WIRE**

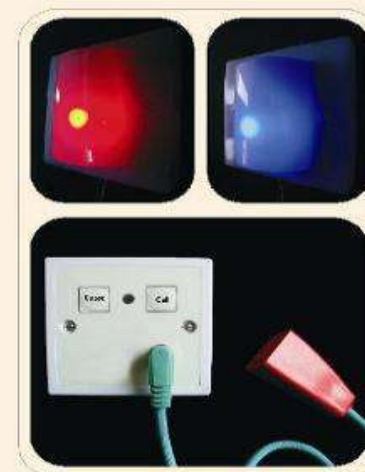
Nurse Call System



Yes Nurse Call System isn't a dream any more for small Hospitals & Nursing Home.

Thanks to the innovative technology developed by Siddhant Medical Engineering. We believe that the ultimate aim of technology is to serve human being. That's the reason we made Nurse Call System a reality for small hospitals.

- **Reliable alerts for staff :** When patients call for assistance , a signal is transmitted & the particular Room No. is displayed at the Nurse Station. The Additional LED glowing at the Door in the corridor makes nurse to locate room easily.
- **Service Guaranteed :** Intelligent Call Reset technology provided at patient end ensure patient is attended immediately.
- **Calling Made Convenient :** Patient can call Nurse simply by pressing a button provided on Bed Unit or Hand held extension. The LED glows assuring that the Call has been made
- **Easy to install :** The system is very easy to install & operate.
- **Scalable & Proven Technology :** The System is time tested & works round a clock without fail.
- **Operational Safety Guaranteed :** system works on 12 V DC Supply make it safe to use.
- **Cost Efficiency :** Ideal for Small Hospitals.



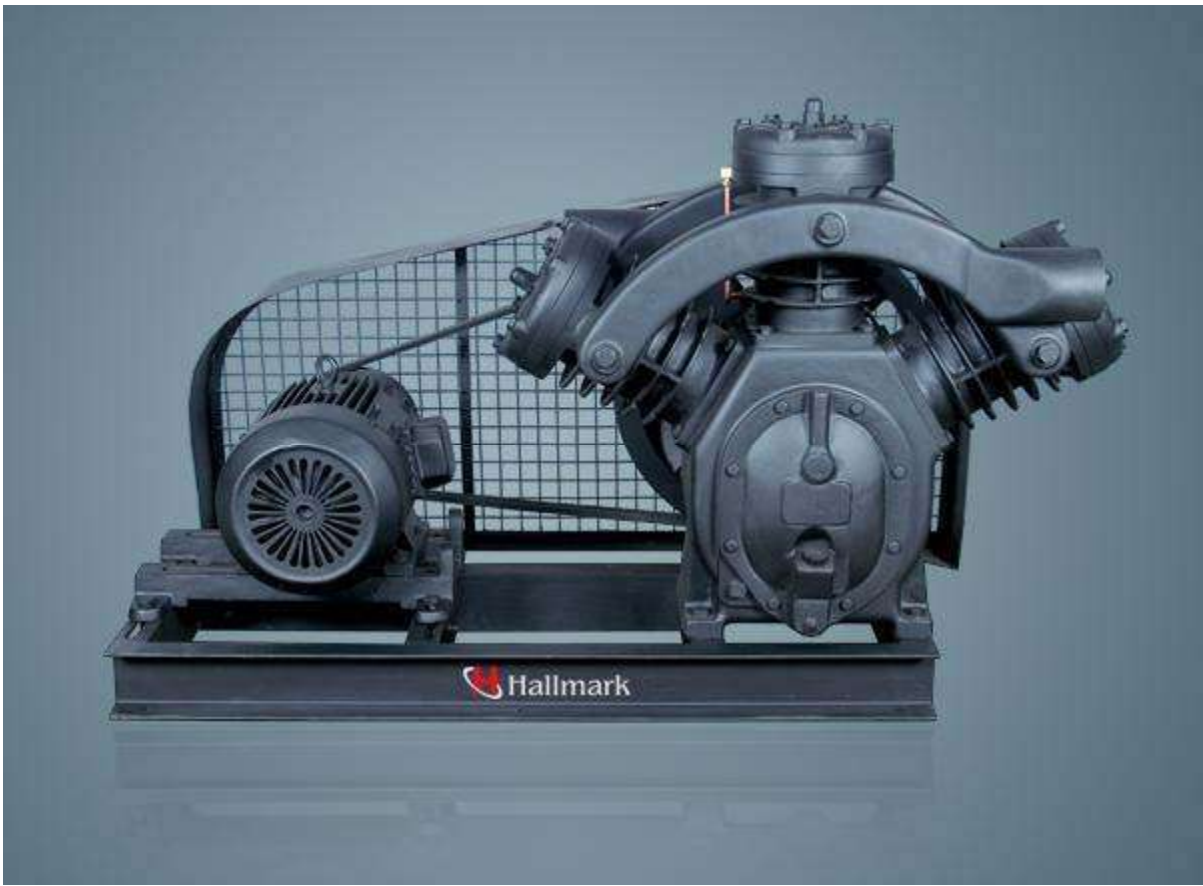
Medical Air and Vacuum pumps



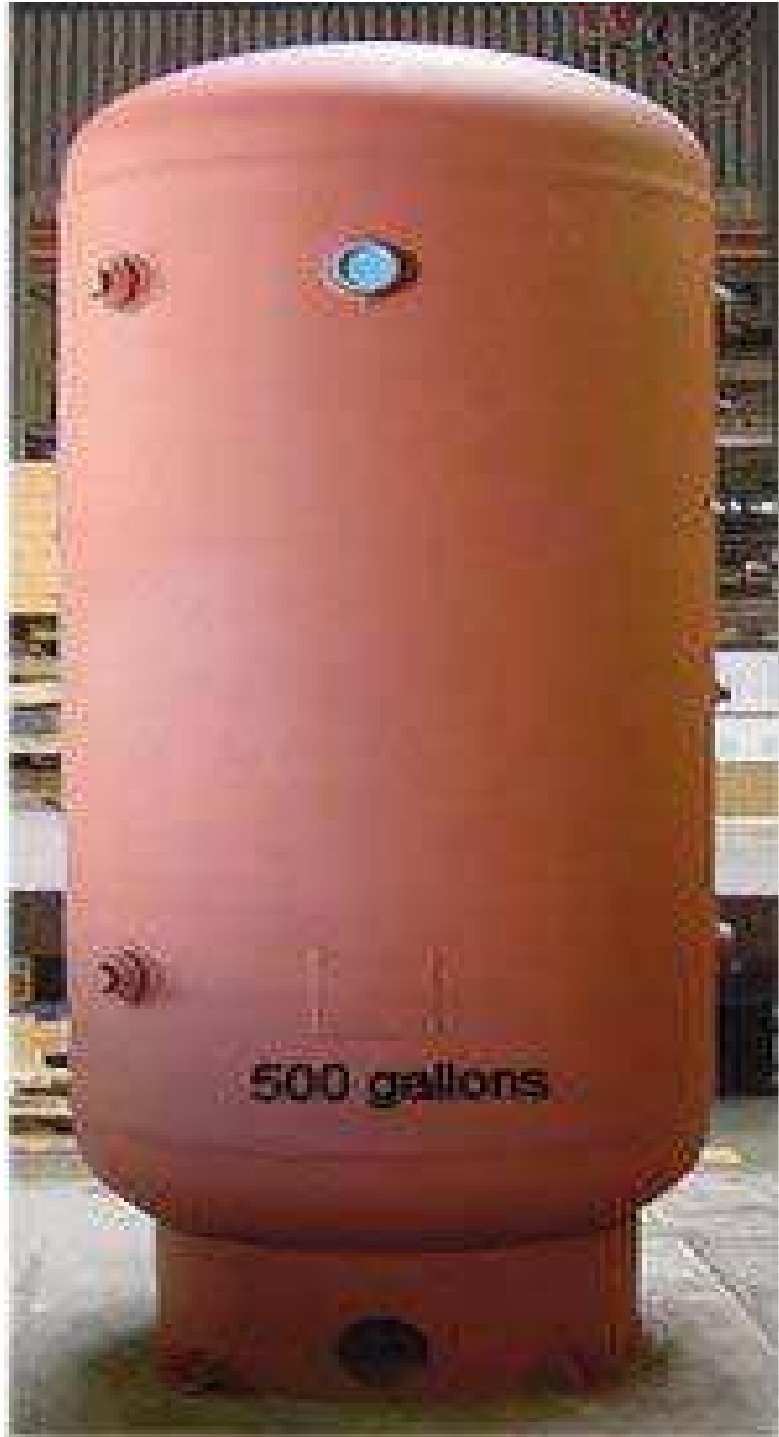
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 5003	 5004
 5005	 5006
 5007	 5008

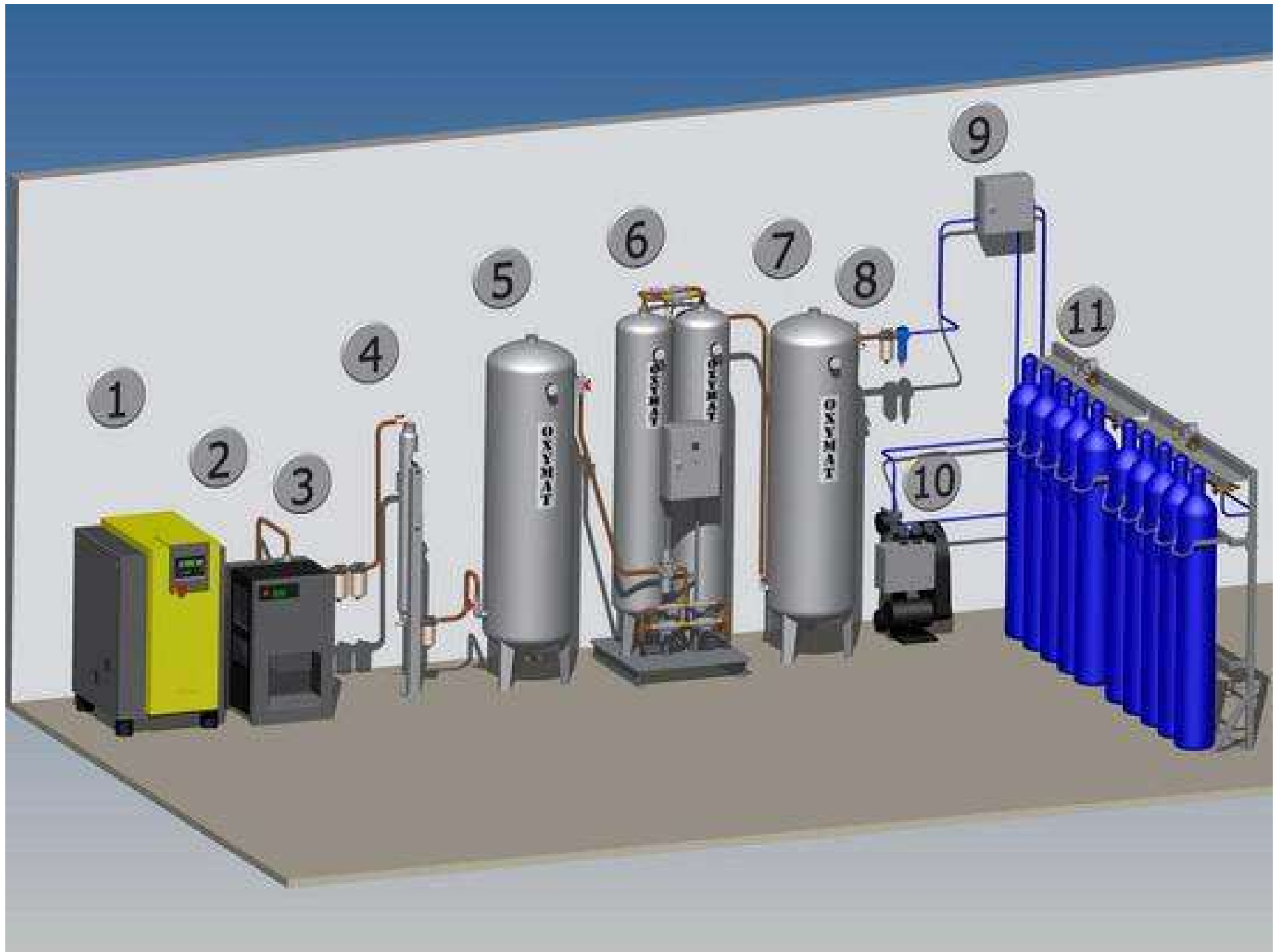
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 5011	 5012
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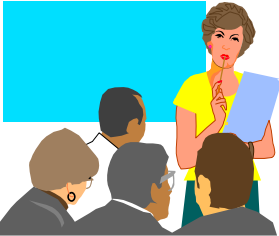




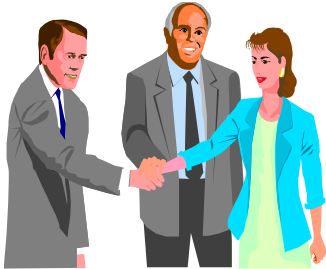




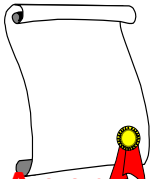
Co-Ordinates The Supply, Installation & Completion



Client Management Team Work With



Design & Performance Specifications



Client Approval



UCT

Quality Guaranteed



THANK YOU