



ALMAST HOSPI HUB (P). LTD





About the Company

The **Almast Hospi Hub**, specialists in the provision of Medical Gas Pipeline solutions, Modular Operation Theatre, Modular Hospital throughout the INDIA as well as worldwide. Our knowledge within the health sector ensures that we can offer a comprehensive range of services, including the design, supply, installation and Testing & Commissioning of Medical Gas pipeline systems, Class100 Modular Operation Theatre, Modular Hospital as well as ICU/CCU Setup.

The range offered by us includes Piped Medical Gases system , Modular Operation Theatre , Modular Hospital and Hospital Furniture and many more to the customers. These products are designed and manufactured by the experts using optimum grade raw material, which are sourced from trusted vendors. The offered products are widely applauded by the customers for their features such as longer life, low maintenance cost and dimensional accuracy.

We are a quality oriented firm, which pays utmost attention in providing supreme grade products to the esteemed customers.

AHH specialized in the installation, testing & commissioning of Medical Gas Pipeline systems, modular Operation Theatre, ICU / CCU Setup, Modular Hospital.

Standard & Code:-

Our all products are as per EAC Code/ Standard : BS-5682:1998, MDD -93/42/EEC, HTM 2022 and 02-01, NFPA 99, BS 864, BS: EN 13348 , IS/7396-1: 2007 & Class I, Class II, Class III & Class IV, EN 438, IS/ISO 4586. ISO 9000, ISO 13485,GB/T/1900-2000,ISO 9001:2008,YY/T/0287-2003/ISO 13485.

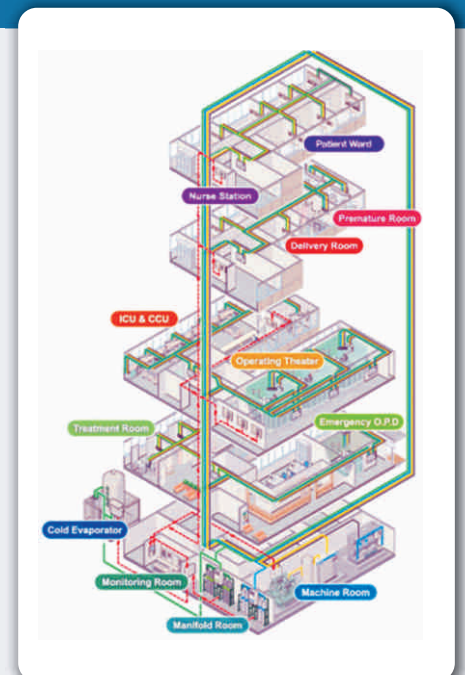
Medical Gas Pipelines

- Oxygen System
- Vacuum (Medical, Dental & Laboratory)
- Nitrous Oxide
- Entonox
- Medical Air System 4bar & 7Bar
- Surgical Air System
- Anesthetic Gas Scavenging Systems (AGSS)
- Nitrogen
- Carbon Dioxide

Medical Gas Pipeline Installations

Almast Hospi Hub specialised in the installation of Medical Gas Pipeline Systems, operating throughout the INDIA as well as worldwide to provide reliable services for Govt. hospitals and clinics, as well as private hospitals groups.

Whether our clients require a ward/dept. upgrade, an entire refurbishment of existing Medical Gas Pipeline Systems or a complete new-build installation, our skilled engineers provide an efficient, thorough and comprehensive installation service for all types of Medical Gas Pipelines and equipment. All Medical Gas Pipeline installations are carried out to the strictest of standards, with in-depth reports and signed documentation provided upon completion of the System. This aids our clients in ensuring all Medical Gas Pipeline installations align with increasing legislative Requirements.





Medical Gas Pipeline System Equipment Installed Includes:

- Rigid, Multi Movement & Flexible Pendants
- Fully Automatic & Standby Manifolds
- Anesthetic Gas Scavenging Systems (AGSS)
- Medical, Surgical & Dental Air Plants
- Area Valve Service Units
- Pressure Reducing Sets
- Medical & Dental Vacuum Plants
- Wall Zone Units
- Isolation Valves box Assembly
- Gas Alarm Systems
- Gas Terminal Units
- Bedhead Trucking System

Including All:

- Design
- Testing and Commissioning

With such a heightened demand for installation safety and proficiency, all of our Medical Gas Pipeline, Modular Operation Theatre installation engineers are highly skilled, attend various Health and Safety training courses on a regular statutory basis and are fully trained Competent Persons to HTM 02-01 Standards. All of our Medical Gas Pipeline System installations are completed to ISO 9001 2008 certification, ensuring quality management and traceability for our client's added peace of mind

Products:

O2 Flow Meter with Humidifier Bottle

- Rotating flow meter calibrate from 0 a 15 L/min, manufactured in shock absorbent transparent material; the central part is in chromed brass and the handle with stainless steel conical needle for flow regulation
- Humidifier which includes incorporated vase stand and tubing connector and safety valve in case of pressure increase
- Vase with 300 cc water capacity with indicator of maximum level
- Bubbler in porous material with 1/10 micron holes which permit even distribution of the oxygen in the water and therefore guarantee better oxygenation





Suction Unit:-

Suction Controller Series incorporates a 0-760mmHg gauge or 0-100Kpa, a control Knob to regulate the aspiration flow rate and lever as a quick action on -off control to ensure operation of the vacuum pipeline at maximum efficiency.



Duplex Medical Vacuum System

AHH are offer to a superior quality range of Duplex Medical Vacuum System. Widely used in varied medicals, health centers and hospitals for dental, surgical and laboratory applications, AHH have qualified team of professionals to installation, testing and Commissioning the system as well as Manufactured as par the industry set quality parameters, offered range is provide in varied tailor made models such as triplex or quadruplex fitted with vacuum receiver, in duplex, bacteria filter, with vacuum regulation assembly.

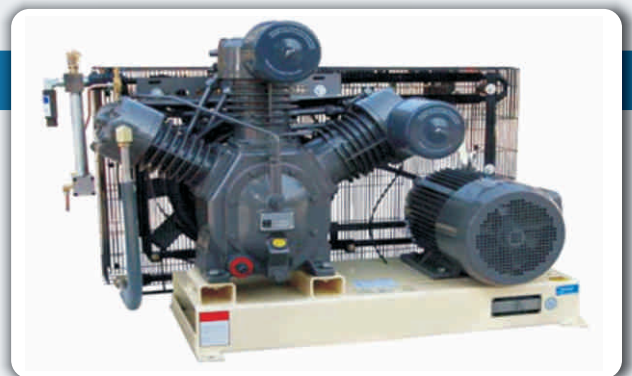


These products are widely acclaimed for their following features:

- Automatic controls
- Ensure economical operations
- Monitors alarm and works continually

Duplex Medical Air Compressor

Two stage air compressors has more delivered air (cfm) Providing the power to do the job right and in less time, 100% continuous duty even for toughest applications, 250 PSIG maximum operating pressure. Durable cast iron Construction, Precision engineered Quality components.





Gas Terminal Unit

AHH terminal units provide a convenient connection at the final delivery point of a facility's medical gas piping system.

A two component design provides for easy installation of units.

- Base blocks are permanently installed to the gas distribution pipeline. Multi configurations can be easily located in walls, bedhead trunking, headwalls, or as fixed pendants.
- Sockets couple with the base blocks to provide users with gas specific outlet connections. A one-of-a-kind design for sockets insures profile of sockets is always installed in the correct position.
- The two component design also allows socket to be easily removed for service to the unit.

Following are the other details of the products offered by us:

- CE marked
- Conforms to NFPA 99 and CGA standards
- Easy maintenance, without removing the faceplate
- Gas-specific outlet body
- Modular design
- Outlets are 100% tested for flow and leaks
- The seal between the front assembly and back body is a double O-ring
- The seal does not deform or leak when weight is added to the outlet front
- O-rings may be serviced without removing the secondary check or shutting off the supply of gas
- Outlets incorporate protective vinyl labels that are durable and scratch resistance
- Available in rough-in and finishing assembly



Gas Monitoring Alarm

AHH Medical Gas Alarm System is designed to continuously monitor the status of source equipment and gas line pressure of medical gases. The system is comprised of Area Alarm Modules which monitor and indicate the gas pressure or vacuum level of a specific gas at a Specific point in the hospital and Master Alarm Modules which monitor source equipment such as oxygen systems, air compressors or vacuum pumps.





The Alarm System monitors gas line pressure with sensors. The Alarm's Annunciator determines the status of the pressure and the pressure is displayed on an area alarm module.

The alarm module also has trend light LED's to show that the displayed pressure is either in a normal, caution, or a high or low alarm condition.



OT & ICU Pendant

Rigid & Retractable Pendant:-

AHH have wide range of Pendant like Rigid, Motorized Vertical type, Retractable, ICU Ceiling Suspending pendants are principally designed for use in Operation Theatres, Anesthetic Rooms and ICU /CCU. Gas terminal units and electrical services are positioned above head height giving valuable free space around the patient for fixed or trolley mounted equipment. Up to 9 gases may be fitted to the underside of the pendant, with mains socket outlets and extra-low voltage data and other electrical connection points being distributed around the base of the vertical section. All metal work is polyester powder coated to give a hardwearing and easily cleaned finish. The retractable option allows the gas and electrical connection points to be lowered by 300mm to ease connection. The pendant can then be raised out of the way during operations giving the flexibility of movement necessary around the patient.

Anestis Pendant



OT Pendant- Motorized or Manual Vertical Type Horizontal Type (Single Arm)



OT Pendant - Motorized or Manual Horizontal Type (Double Arm)



AHH ICU Pendants that we offer are manufactured using the high-tech machinery to give them variety of features. Our ICU Pendants are widely used by various medical clinics and hospitals. These ICU Pendants come with additional attachment options like single arm and double arm, making operation easy. Access to various accessories like medicines, medial gas and many more things becomes easy with the implementation of these ICU Pendants.



Highlights Of Our ICU Pendants

- Easy to operate
- Pneumatic and Motorized options
- Durable
- Versatile usage

Range

- Bridge pendants
- Surgical Pendants
- Anesthesia Pendants
- Endoscopy / Abdominal pendants



COPPER PIPES & Fittings

Copper and Copper alloys-Seamless round copper tube for a medical gases or vacuum, materials conforming to and manufactured as per BS:EN:13348:2001 + A1 : 2005.

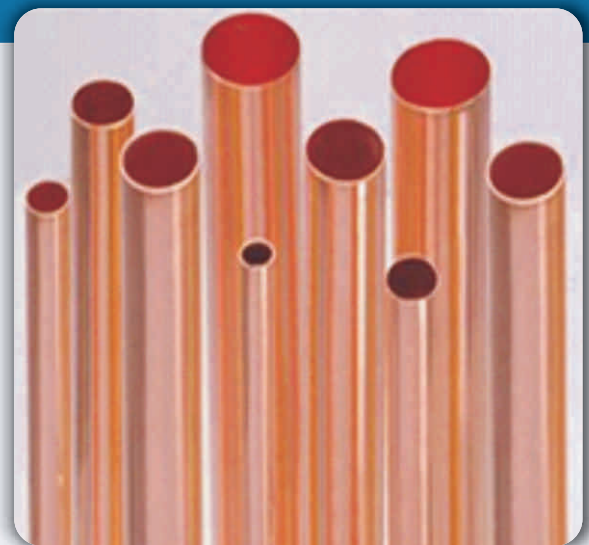
Copper pipe of this European standard are suitable for distributing the following medical gases intended to be used at operating pressure up to 2000 kpa and for system under vacuum :

- Oxygen, Nitrous oxide, Nitrogen, Helium, Carbon Dioxide, xenon
- Air for breathing
- Specific mixture of these above mentioned gases,
- Air for Driving surgical tools
- Anaesthetic gases and vaporous
- Vacuum

Chemical Composition

Composition of copper pipe shall conform to the following requirements.

The analytical methods shall be chemical or spectrographic
Copper + Silver : min. 99.90% Phosphorous min. 0.015 %, max. 0.040%
This copper grade is designated either CU-DHP or CW 024A

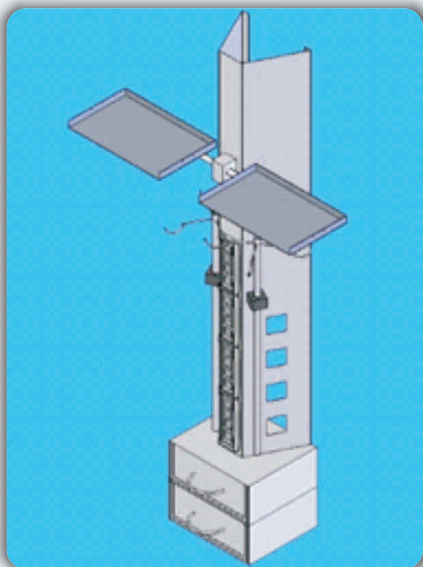




Wall Utilizer H&V Bed Head Panel / Trunking / Medical Rail System, Vertical Channel System

Our bedhead unit is of a horizontal&vertical type integrating a variety of functions such as those for doctors and nurses to make diagnosis and medical treatment and those for patient's lighting and communication.

BHU is possible to install a required number of necessary equipment such as medical gas Terminal Unit, electric receptacles and nurse call slave units at a functional position, taking into account the size of ward, number of beds and their arrangement in a ward. In addition, we have a variety of types such as a concealed model with little exposure of equipment so as to ease the patient's sense of oppression, a panel type with built-in treatment lamps, and a type to create a comfortable space by indirect lighting. By these units, we offer a ward with full function and good amenity



Bed Head Panel



Horizontal Bed Head Panel



Vertical Channel System



Medical Rail System



Horizontal Bed Head Panel



Wall Utilizer V Type



MODULAR OPERATION THEATRE

FEATURES

A continuous flow of highly filtered 'bacteria-free' air is reticulated under positive pressure into the operating field and air contaminants generated during surgery are removed from the site.

With anti-bacterial paint - has minimum durability of 15-18 years.

Seamless.

Easy to clean steam cleaned, electro metric (ideal for high humidity areas)

Vapor permeability (allows substrate moisture to escape) protects against growth of bacteria, mould and yeasts

Moisture resistance, freeze / thaw resistance.

Use of optimum quality raw materials

Compact & strong structure

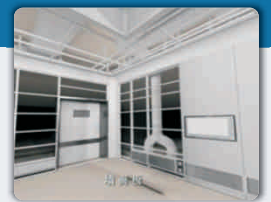
Convenient & quick installation

Low maintenance cost

Effective serviceability

Wall Panels for Modular Operating Theatres

To keep our Modular operating theatres sterile, we use stainless steel and powder coated / pre coated modular wall panels. The round corners of walls, floor and ceiling help to maintain laminar flow and are easy to clean. We also use special antibacterial sealant in the joints to ensure hygiene.



Anti-Bacterial Flooring

In **Modular operation theatres** high quality antibacterial PVC floorings are used. PVC floorings are stain proof, easy to clean and most importantly it keeps our **modular operating theatres** anti-static.



Hermetically Sealed Door

Hermetically Sealed Sliding / Swing (Automatic / Manual) Doors are used in our laminar flow modular operating theatres to ensure hygiene and to keep the air pressure, air temperature and air movement in control. It also provides space saving and safety as its moving panel slides into the sealed compartment. Radiation proof doors are also available. For the convenience these doors are operated either manually or Automatically by foot sensors and infra-red sensors are used for the safety.

- Whole System, includes Automatic Hermetic Door, Controlling System, Machine Cover, Hand Sensors, etc.;
- Standard dimension of the door is 1300~1500mm * 2000~2200mm;
- The speed of opening and closing the door adjustable separately; Opening pause time adjustable;
- Half-Opening state is available;
- With 2pcs of Hand Sensors (in room, and out of room);
- With Safety Photoc sensor, in closing process, when something through, door will open, or stop closing;
- Others optional parts are available;
- Colour is optional or customized;
- Power Supply: ~220V 50Hz/60Hz;
- Motor: 24V brushless motor, 120W





Air Handling Units for Modular Operation Theaters

We offer wide range of air handling units (AHU's) depending on the projects. As AHU's are most important part of any HVAC system so we choose only high Quality AHU's for the sustainability of the project.



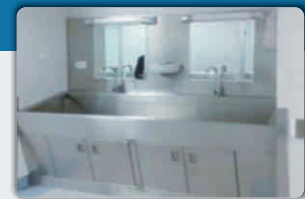
X-Ray Viewer

AHH x ray viewer box is embedded in wall panels to keep operating theatre Sterile and to maintain laminar air flow. Our x-ray viewers are durable, and easy to maintain.



Scrub Sink

AHH modular operating theatres are equipped with stainless steel surgical sinks. We design and manufacture according to the layout plan of operating theatres. Our manufactured surgical scrub sinks are easy to maintain and durable.



Wall Embedded OT Control Panel

Individually designed and customized for each hospital project. Digital display and Control temperature, humidity etc. local standard time, Operation time, An anesthesia time with all medical gases systems. Integrate broadcasting, background music and intercom / telephony systems for the convenience of surgeons and surgical staff.



Laminar Air Flow Management System

AHH laminar air flow are used for Modular OT applications, pharma filling, operation theatre & packing line etc. Laminar Air Flow provides ultra clean sterile HEPA filtered of 0.03u class 100 air in a isolated area where the highly sensitive process activities are carried-out. Clean air CLAF laminar air flow available in complete stainless steel construction or GI construction with PU coated finish. Equipped with mini pleat HEPA with dynamically balanced ultra-low noise blowers for optimum airflow. Differential pressure monitoring done through magnehelic gauges. Various sizes can be manufactured and supplied to suit the specific site conditions



WRITING BOARD CUM TABEL

AHH offered writing Table cum Board, wall embedded to provide clean and smooth surface of MOT wall. Writing Table cum board have in built storage space to collect the Stationary as well as have capacity to arm resting. The board is made of ceramic having magnetic properties.





Waste Pass Box

AHH Waste Pass box is Wall embedded, made of Stainless steel 304 of size 500mm X 500mm, Waste Pass Box provide clean and Sterilize of MOT area. All the feature as per NFPA99, HTM2022,02-01 as per MDD/93/42/EEC Certification.



Hospital Furniture



7-3 function electric hospital bed CE, ISO13485:2003



Crash Cart Cum



Folding Nursing Chair



Bed Side Locker



Medical rolling over bed table



Stainless Steel Kick Bucket



SS 304 Operation cart



Baby Cabinet



Trolley for dirty and waste



Treatment trolley



Distribution cart



**Stainless steel
record clip trolley**



Electric home care bed



**Emergency stretcher
Three function**



Stainless steel stretcher



Children's Bed



**Connecting Transfer Stretcher for
Operation Room**



Hydraulic Transfer Stretcher



Orthopaedics traction bed



Luxury three crank hospital bed



Flat hospital bed

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