



Our vision

Our vision is to manufacture bespoke quality medical gas pipeline products and accessories as per international standard for GCC market. We strive to be a trusted partner, providing qualitative complete solution for government healthcare institutes , private healthcare organization to have bespoke quality solution for all their piped gas required .

Our Mission

To build long term relationships with our customers and clients and provide exceptional customer services by pursuing business through innovation and advanced technology and Delightful Operation World Wide.

Goals

Regional expansion in the field of Health Care, develop a strong base of key customers. Increase the assets and investments of the company to support the development of services. To build good reputation in the field of Health Care Industry and become a key player in the Health Care industry.

COMPANY PROFILE

MEDISMART

GLOBAL MANUFACTURING LLC

HEALTHCARE PRODUCT MANUFACTURING

Contact us

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Our Services

MSG offers a comprehensive range of medical gas equipment and accessories manufacturing services designed to meet the diverse needs of our clients. From gas manifold and lockable line valves to compressed air plant and vacuum plant, AGSS. our team of experts leverages their in-depth manufacturing knowledge along with cutting-edge technology to deliver tailored solutions.





FULLY AUTOMATIC MANIFOLD

The Automatic Manifold systems is designed to provide a duty and standby gas supply at a constant pressure via two banks of gas cylinders with status monitoring Central control panel with a header assembly for medical gas distribution systems in accordance with current HTM standards HTM 02-01, HTM 2022, IS / ISO 7396 - 1 : 2016

Medismart design a unit which requires a minimum of maintenance to ensure the maximum life of the equipment it does require periodic routine maintenance.

The Medismart automatic medical gas manifold plant is supplied as a packaged product ready for immediate installation, tested and prepared at the factory for the specific gas indicated and the manifold control panel shall be type tested for electrical safe.



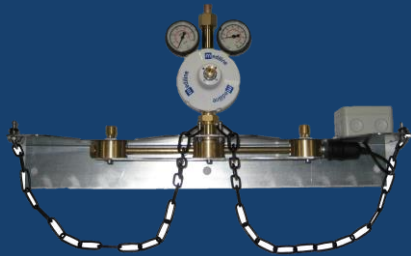
EMERGENCY MANIFOLD

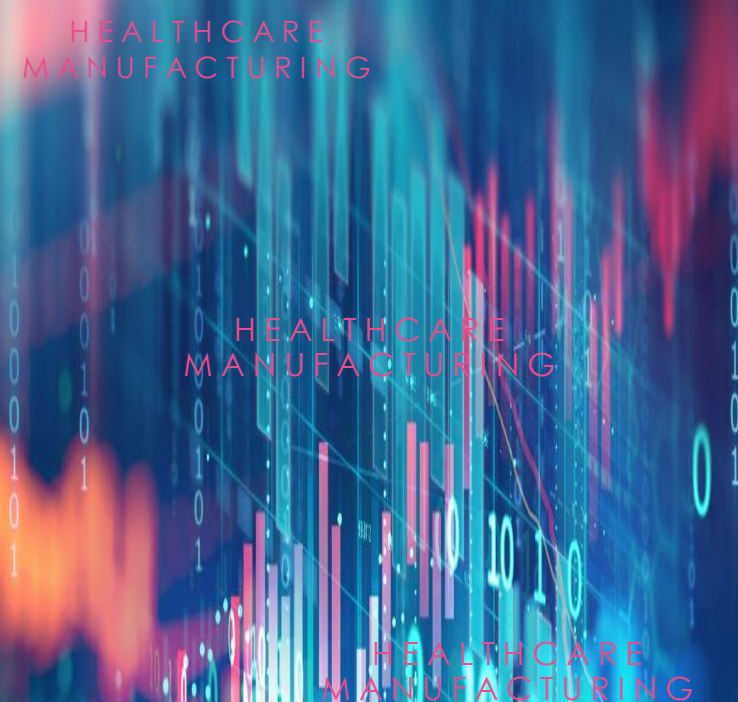
The **Medismart** Emergency Standby Manifold system offers a simple standalone unit or may be used as a standby system to a centralized plant or automatic manifold system to provide a source of compressed air or medical gas supply for distribution into a hospital or laboratory application.

FULLY AUTO MANIFOLD



EMERGENCY MANIFOLD





MEDICAL AIR PLANT

Medismart design and build medical compressed air plants in accordance with the HTM standards and manufactured in a module format for ease of installation. The screw compressor range of plants have acoustic canopies fitted as standard and benefit from extremely low noise levels. Plants are designed to provide the flow requirements of the system at the most economical cost and requires the minimum of maintenance. The plant consists of a vertical air receiver oil filled rotary screw type compressors, duplex filter dryer module, compressor starter panels, plant and dryer control units. Supplied factory tested and fully assembled unit ready to install as a plug and play item.

- Fully complies with HTM 02-01, HTM 2022, C11, BS EN 7396.
- Medismart branded design.
- Control and highly visible indication panel.
- All interconnecting pipework is included.
- Outlet pipework for connecting to the pipeline.
- Anti-vibration mounts on all compressors.



- Isolator to each pump unit as standard.
- Alarm and BMS outputs for remote status indication.
- Digital display touchscreen with a user interface.
- 400Kpa, 700Kpa and 1000Kpa output versions available.
- All settings are factory set and verified with certificates.
- Each plant has a full warranty of 12 months



MEDICAL / SURGICAL AIR PLANT



MEDICAL VACUUM PLANT



MEDICAL VACUUM PLANT

MEDICAL VACUUM PLANT

All of our Vacuum equipment is built to the highest standards of quality and come as standard with the following features:

- ❖ All interconnecting Pipework and wiring is included with each system.
- ❖ Flexible connections are provided for all pump pipework.
- ❖ Anti-vibration mounts are used on all pump units to minimise noise and wear.
- ❖ Machine is fitted with adjacent electrical isolator.
- ❖ Control panel fitted with highly visible indicators and gauges.
- ❖ All pressure switches and sensors are factory set for ease of installation.
- ❖ Each plant is covered by a full warranty



Vacuum Pump Module

The vacuum pump shall be oil lubricated, rotary sliding vane and air cooled,

Duplex Bacteria Filter Module

The duplex filter system shall incorporate a high efficiency filter element.

Vacuum Vessel

- ❖ Vertical or horizontal configuration
- ❖ Vessel capacities from 100 to 5,000 liters

Control System

- ❖ System programming by way of operator display
- ❖ All motors feature independent power supply circuits
- ❖ Load alternation circuit as standard Function monitoring by way of PLC



DUPLEX AGSS

MediSmart

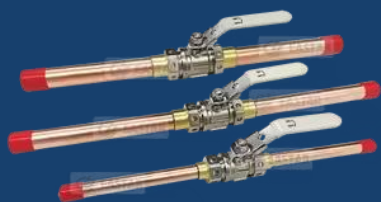


SIMPLEX AGSS

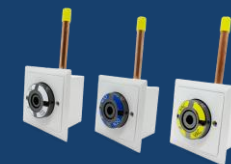
Medismart produces a complete range of Simplex and Duplex systems. They start with a small flow rate of 130l/m to any size to suit customers requirement. AGSS Plants are manufactured in accordance with Quality Management System. AGSS Plants are used to extract gases and aerosolized medication from operating rooms, which have been exhaled from the patient to the outside of the hospital, protecting operating room Staff from long term exposure to these harmful substances. In order to maintain a safe workplace within the Operating room, Occupational Health Set the maximum limit exposure to potentially harmful gases as follows. Nitrous Oxide 100ppm Halogenated volatile anaesthetic agents 50ppm If Halothane is used 10ppm. The MediSmart Duplex AGSS Plant is very easy to install.



All plants have one inlet and one exhaust reducing the cost of installation. The inlet and outlet have flexible hose connections to reduce the transmission of noise down the pipework. They require one electrical supply. Either Single Phase Neutral and Earth or Three Phase Neutral and Earth. In addition, 24VAC remote control units can be installed in the operating rooms to control the Plant. This will require an additional 5 core control cable which can be linked in series to each remote control unit. As Standard, each Plant is fitted with a balance valve. The balance valve allows the pump to maintain a pressure of 150mbar when the flow changes within the system. The balance valve is protected from dirt and airborne particles by an Ingress Filter.



LOCKABLE LINE VALVE



TERMINAL UNITS

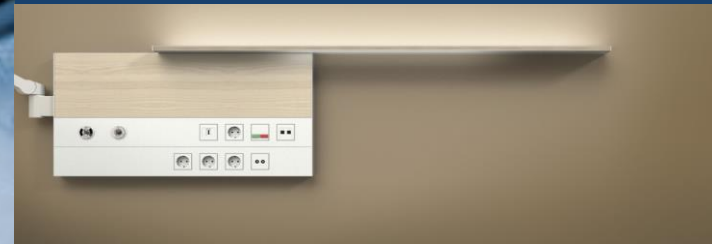
Medismart lockable line valves

- Meets the requirements of HTM 02-01 & HTM 2022 - Medical Gas Pipeline Systems.
- 15mm – 108mm sizes available.
- Flat face unions between stubs and valve incorporating o-ring seals for gas tight connections.
- Valve handle is lockable in the open or closed position to prevent unauthorized or inadvertent valve operation.
- 100% tested for leaks to atmosphere and isolation when in the closed position.



Medismart

- Meets the requirements of HTM 02-01 and HTM 2022 – Medical Gas Pipeline Systems, BS EN ISO 9170-1, BS EN ISO 9170-2, BS 5682, BS 8532 and BS EN ISO 18082.
- Available for oxygen, nitrous oxide, 50% oxygen/50% nitrous oxide mixture, medical air, surgical air, medical vacuum, AGSS, carbon dioxide and nitrogen.
- Suitable for flush or surface wall mounting, supplied with mounting box kit.
- Supplied with NIST connector 1st fix for connection to the pipeline system.
- Fully tested and certified prior to dispatch.



BED HEAD UNITS

Medismart is a leading Medical Supply Unit and provider of Bedhead & Medical Trunking for the healthcare sector. Designers and suppliers of extruded aluminum cable management trunking systems for use in the worldwide commercial and healthcare markets. As the leading Medical Supply Unit supplier for the healthcare sector we are broadly credited within the sector as being the innovators in bedhead services trunking system solution where our products have gained notable recognition around the world via our international supply network.



Bedside units are multifunctional systems designed to manage the care and treatment processes of patients in hospitals and healthcare facilities more effectively and safely. These units provide electricity, lighting, data communication, medical gases and similar medical requirements that patients need, all together.

The main purpose of these systems is to ensure the comfort and safety of patients. Electrical connections provide power for patients' medical devices and personal devices. Lighting ensures that patient rooms are bright and comfortable. While the low-voltage infrastructure is used to track patients' health data, update medical records and communicate, medical gas systems help to provide oxygen and other medical gases in the correct doses for the treatment of patients.



Double Arm Pendants

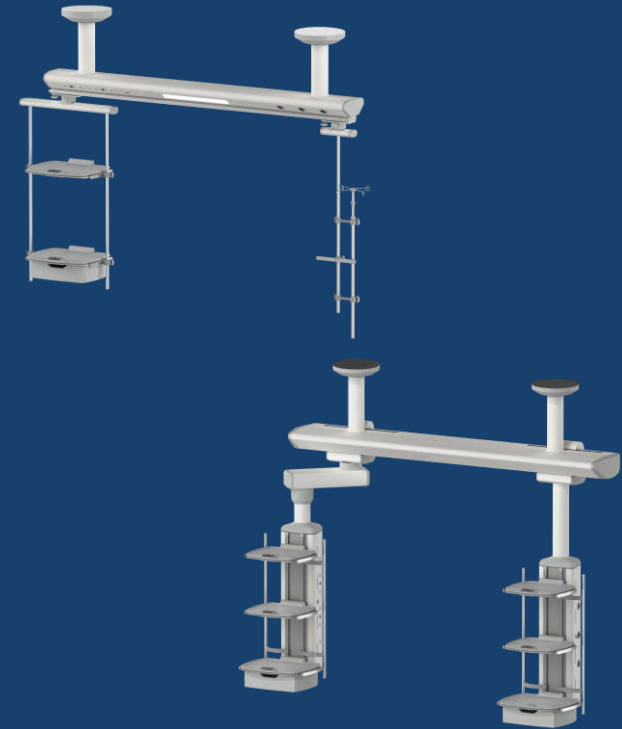
Medismart Pendants & High beam systems are the units that ensure that all the infrastructure services needed in the Operating room, intensive care units of hospitals, such as "medical gases, electricity and data communication, necessary services and device connections are delivered to the patient in the most comfortable and fastest way.

Purpose of usage

- Placement and spatial positioning of medical devices and accessories used for diagnosis and therapies.
- Supply of medical devices operating with electrical energy, medical gases and vacuum

Usage Environments

The product is intended for medical use, particularly in emergency rooms, intensive care units and post-operative care units.



High Beam Systems

Do not use the device in the following environments.

- Areas where the oxygen concentration is above 25 volume percent and flammable gas mixtures or explosive gas mixtures may occur.
- Places where magnetic field applications are performed (e.g. magnetic resonance tomography)

Standards

✓ EN 62366-1: 2015	✓ EN ISO 15223-1: 2021	✓ EN ISO 20417: 2021
✓ EN ISO 11197: 2019	✓ EN ISO 14971: 2020	✓ EN 5359: 2012
✓ EN 60601-1: 2009	✓ EN 60601-1-2: 2016	✓ HTM 02-01



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