

MEDICAL GAS SYSTEMS

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Tecno-med is a well aware company that we produce medical equipment for customers who simply cannot make any mistakes - the most demanding hospitals, emergency departments, intensive care units around the World.

QUALITY RELIABILITY ENGINEERING

We at Tecnomed are proud of our company culture rely on quality hygiene reliability and engineering. Naturally we perform functionality test, quality control in different production phases to ensure compliance of wide variety of medical and technical standards. Reliable products of Tecnomed protects you from spending too much on maintaining your medical equipment.

EXPANDING DYNAMIC INNOVATIVE

Tecnomed is young and dynamic which is growing in tremendous speed. Innovation is our prior motivation and we are highly concentrated to bring beneficial features to products as per customer feedbacks.

BECAUSE YOUR TIME IS PRECIOUS

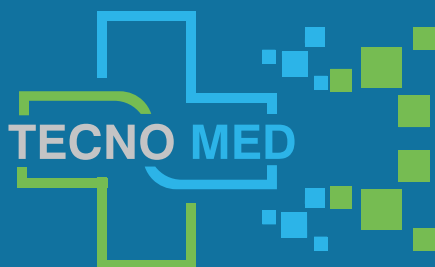
Our absolute priority is to respond all customer needs on time. We are aware of our customer who have to keep their medical equipment on service all the time.

BECAUSE YOU NEED PRODUCTS TO SATISFY YOUR SPECIFIC NEEDS

With very talented engineering team, Tecnomed is ready to customize any product as per customer needs.

BECAUSE SO MANY PEOPLE TRUST US

Tecnomed products are being used in many health-care institution in Turkey. We have contracts for medical service more than 45 hospitals. We are expanding to world specially in Middle East Western and Central Asia, Eastern Europa.



Medical Gas Plant

Medical gas plants are used in hospitals and other healthcare facilities to produce medical gases such as oxygen, nitrous oxide, vacuum and medical air and make them suitable for distribution. Medical gas plants which vary such as cylinder gas plants, medical air and medical vacuum are produced as backed up according to medical standards.

Patient Bed Head Units

Bed Head Units are designed to provide integrated solutions which contains medical gas service and electricity in patient room to help patient as well as nurse. It provides illumination in the room with the lower reading lighting and the upper night lighting on the unit. With its stylish design, it provides a comfortable appearance to patient rooms.

Pendants

Pendants are designed to provide single point service for medical gas, electricity and equipment positioning nearby the patient. Pendants are movable units that allow doctors and hospital staff to easily access gas, electricity services and medical equipment in operating rooms and intensive care units.

Area Valve Service Units

They are zone control units produced according to medical standards in order to separate the gas line in each separate service and department in hospitals, to cut the gas in case of emergency, to provide information with alarms at high pressure and low pressure levels, and to intervene in case of breakdowns.

Medical Gas Outlets

Medical Gas sockets are the terminal units installed at the final delivery points in the medical gas pipeline system. Gas outlets are produced in different standards for each gas. The main purpose of the gas outlets is to allow the passage of gas if desired.

Medical Gas Equipment

They are auxiliary products used for medical purposes in intensive care services, operating rooms and patient rooms. They are used to meet requirements of imaging equipment stands, vacuum system equipment, serum and other medical drugs.

Hospital Accessories

They are auxiliary products used for medical purposes in intensive care services, operating rooms and patient rooms. They are used to meet requirements of imaging equipment stands, vacuum system equipment, serum and other medical drugs.

Nurse Call Systems

They are system components that patients use to call the nurse in emergency situations. These systems are produced to transmit emergency call with its all system components such as bed head unit button, door warning lamps, emergency code and blue code systems.

MEDICAL GAS PLANTS

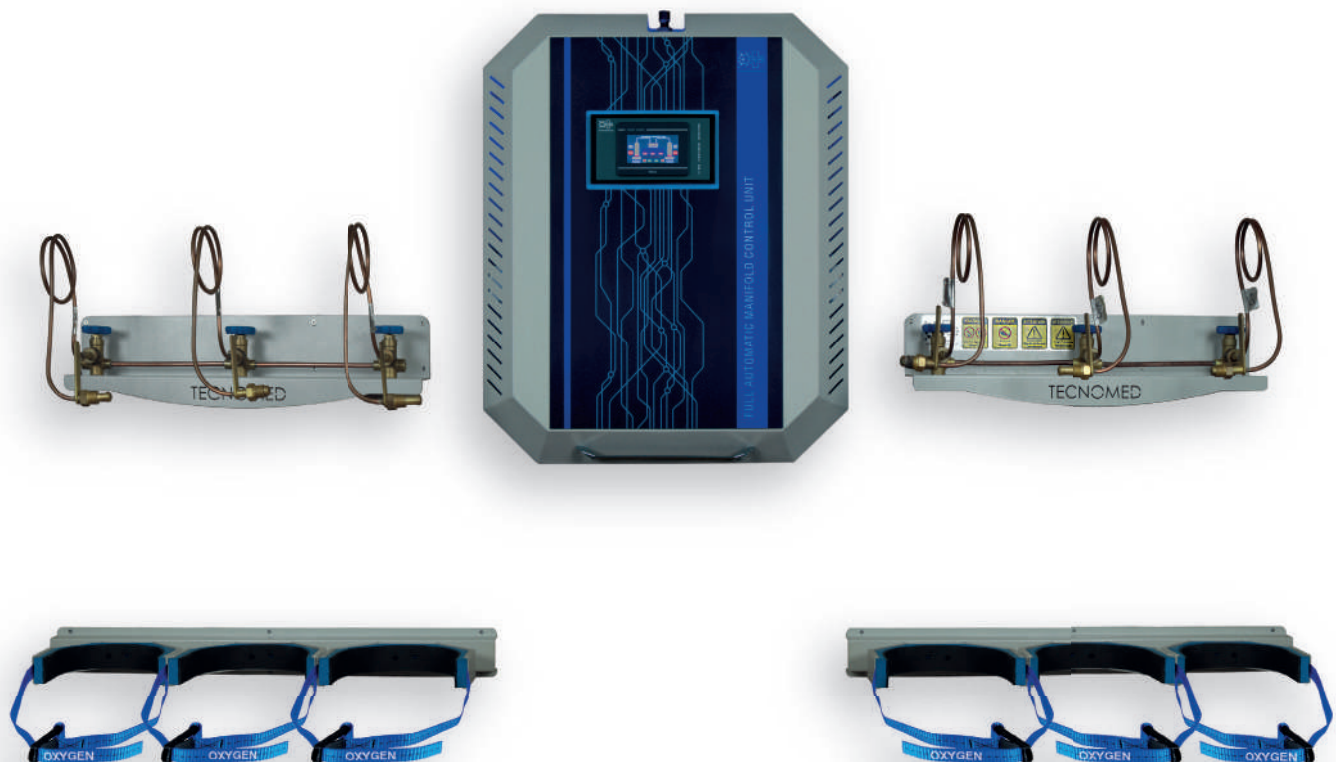
Manifold Systems

TEC51

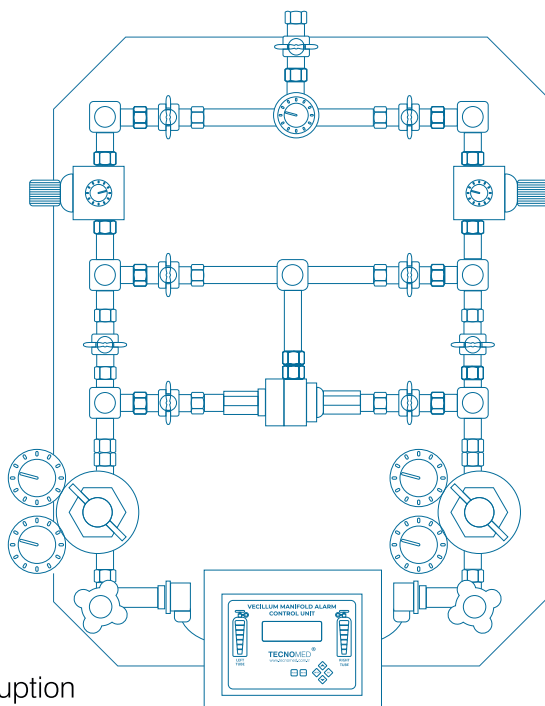
These are the systems that are used for supplying the gases from gas cylinders (Oxygen, Nitrous Oxide, Nitrogen, Carbon Dioxide, Mix Gas) needed in hospitals and health care facilities.

Automatic Medical Gas Manifold Supply Unit

TEC51.19



Central gas cylinder supply units are the most important part of hospital medical gas systems. By regulating the high pressure coming from the cylinders, it ensures that the pressure is reduced to the value that should be sent to the pipeline. The automatic medical gas supply unit reduces the incoming high pressure to 8-10 bar pressure, thanks to the first stage regulators. Then, the second stage regulators regulate the reduced pressure again and bring it to the desired final pressure value. The oxygen supply unit is fed by manifolds where the cylinders are attached. Low pressure and high pressure sensors, the unit connects to the digital alarm panel. An emergency alarm is activated when there is a possible low or high pressure on the system. The medical gas output pressure value and the cylinder remaining capacity can be monitored visually on the digital alarm panel screen.



Features

- Automatic gas supply without interruption
- Providing high-capacity gas flow
- Simple setup and ease of use
- By-pass Line
- Visual and Sensory Alarm

Capacity	35 m³/h - 180 m³/h - 300 m³/h - 600 m³/h
Manifold Options	2x2 - 2x3 - 2x4 - 2x5 - 2x6 - 2x10 - 2x15 - 2x20
Type	2 Stage, 2 Regulator
Input Size	3/4"
Output Size	3/4"
Output Pressure	4 - 5 bar
Automation Compliance	Fully Auto- Digital Alarm

Automatic medical gas manifold supply unit is produced in accordance with HTM 02-01, MDD 93/42/ EEC, EN ISO 7396-1 and ISO 13485 standards.

The system can be fed by cylinders or cylinder bundles. It can be integrated to liquid oxygen tanks or oxygen generator stations.

Tecnomed Automatic Medical Gas Manifold Supply Unit can transmit all data to the central monitoring systems thanks to the alarm unit. There are 3 different language options and adjustable lower pressure value and upper pressure value alarm limits.

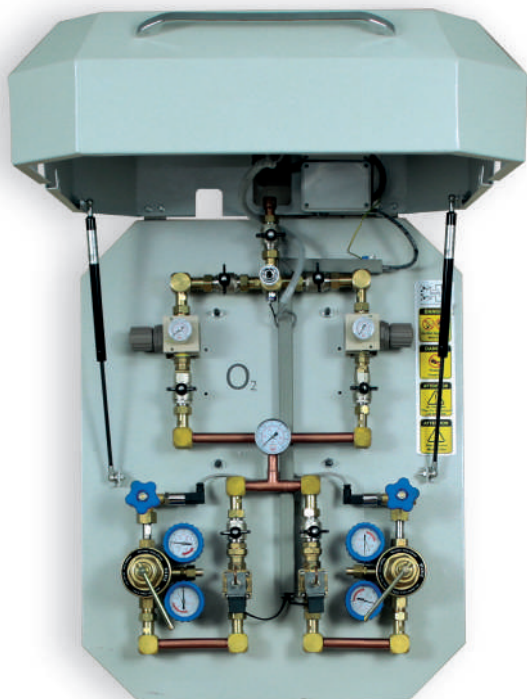
Cylinder Ramp

TEC51.19.XX

The manifold ramp is specially produced to pass the oxygen coming from the cylinders or the cylinder bundles. The pipes used in the collector distribution are made of medical copper pipes with suitable wall thickness to allow transition to high capacity oxygen flow. Thus, a smooth flow is provided even at the highest amount of flow

1 Cylinder Ramp	TEC51.19.01
2 Cylinder Ramp	TEC51.19.02
3 Cylinder Ramp	TEC51.19.03
4 Cylinder Ramp	TEC51.19.04
5 Cylinder Ramp	TEC51.19.05
6 Cylinder Ramp	TEC51.19.06





TEC51.19.DEX Deluxe Fully Automatic Medical Gas Manifold Supply Unit

Automatic medical gas manifold feeding unit is produced in accordance with HTM 02-01, MDD 93/42/EEC, EN ISO 7396-1 and ISO 13485 standards.

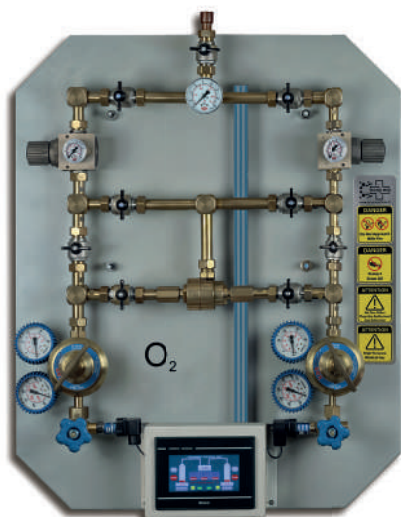
Gas Options

- Oxygen
- Nitrogen
- Nitrogen Oxide
- Medical Air 4
- Nitrous Oxide
- Mix Gas

For more information, contact your sales consultant.

Vexillum Fully Automatic Medical Gas Manifold Supply Unit

TEC.51.19.VEX



Vexillum Fully Automatic Medical Gas Manifold Supply Unit is produced in accordance with HTM 02-01, MDD 93/42/EEC, EN ISO 7396-1 and ISO 13485 standards.

Gas Options

- Oxygen
- Nitrogen
- Nitrogen Oxide
- Medical Air 4
- Nitrous Oxide
- Mix Gas

For more information, contact your sales consultant.

Junior Fully Automatic Medical Gas Manifold Supply Unit

TEC.51.19.JUN



Junior Automatic medical gas manifold feeding unit is produced in accordance with HTM 02-01, MDD 93/42/EEC, EN ISO 7396-1 and ISO 13485 standards.

Gas Options

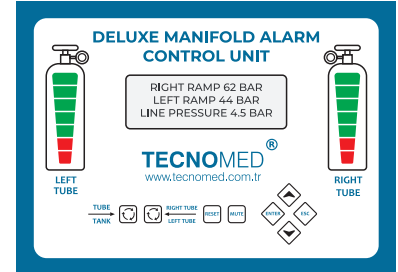
- Oxygen
- Nitrogen
- Nitrogen Oxide
- Medical Air 4
- Carbon Dioxide
- Mix Gas

For more information, contact your sales consultant.

Deluxe Manifold Alarm Control Unit

You can make right and left ramp transitions with a single click via the Deluxe manifold alarm control unit. You can also monitor the occupancy rate of the right and left cylinders. If you provide any connection for the liquid tank, you can also choose the liquid tank as the third spare if desired. This feature is available only on the deluxe manifold. Thanks to its electronic control mechanism, it can control three lines simultaneously.

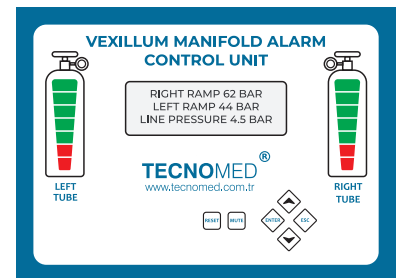
TEC51.19.DMA



Vexillum Manifold Alarm Control Unit

You can visually monitor the right and left cylinder occupancy rates and line pressure value in the Vexillum manifold control unit. You can adjust the low alarm limit and high alarm limit you want. You can monitor the right and left tube limits as red / low and green / normal. This alarm unit is supported by two high pressure sensors and one low pressure sensor.

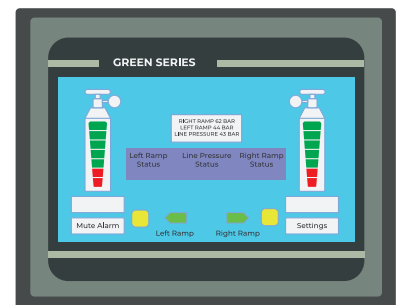
TEC51.19.VMA



Touch Screen Manifold Alarm Control Unit

Touch Screen Manifold Control Unit offers the opportunity to make left and right transitions via touch panel. It can also monitor the cylinder filling rate visually and aurally. You can see the line outlet pressure. The unit is supported by high pressure sensors and low pressure sensors. Data transmission of these sensors covers a maximum distance of 1.5 meters.

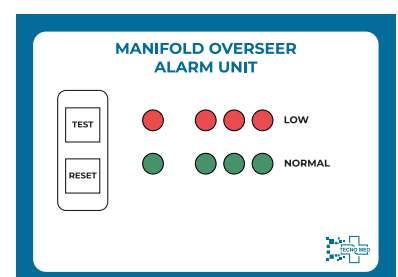
TEC51.19.TSA



Overseer Alarm Unit

The Overseer Alarm Unit has only an audible alarm and a red/low - green/normal light indicator about the right and left tube filling rate and line pressure rate. This alarm can connect even from the farthest distance. You can install this unit in a technical room or somewhere where an alarm is required. Three low pressure transmitters support this alarm. Pressure display values are adjusted via sensors.

TEC51.19.OSA



Flexible Copper Connection Pipe

TEC51.19.07



It is used for transmitting the high pressure gas coming from the cylinder to the collectors. Thanks to its durable structure, it provides a long-lasting life to the user. Flexible Copper Connection pipes are tested under 400 bar pressure.

Technical Specifications

Medical Flexible Copper Pipe

Inlet Size: 3/4"-1/2"

Outlet Size:

3/8"-5/8"-3/4"-1/2"-Bullnose

Working Pressure: 300 bar

Length : 1200mm

Flexible High Pressure Hose

TEC51.19.08

1. PFA or ETFE Inner Tubing
2. Kevlar Barid
3. Interlayer PTFE Tape
4. Stainless Steel Braid
5. Hytrel Jacket



It is durable hoses used for transmitting the high pressure gas coming from the cylinders or cylinder bundles to the collectors. Flexible high pressure hoses are more preferred in long distance connections because of being more ergonomic.

Technical Specifications

Double Wound Stainless Steel Hose

Input Size: 3/4"

Steel Safety Rope with Stainless Clamp

Brass raw material connection union and nuts

Optional length

Totally flexible

Working Pressure: 300 bar

Test Pressure: 500 bar

Cylinder Connection Unit

TEC51.19.09



It is a unit that can be mounted on the wall to fix the cylinders. It prevents the cylinders from swinging or falling, by means of its separate sections and chains for each cylinder. It is designed for 2, 3 and 5 cylinder connections.

Evacuation Valve

TEC51.19.10



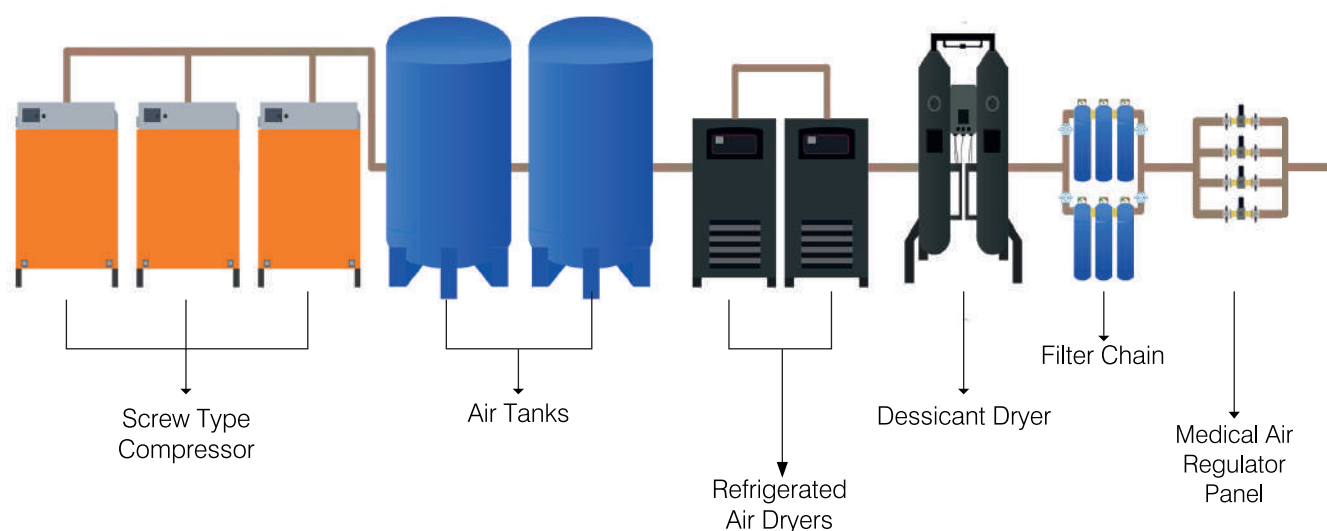
It is designed to evacuate the gas in the collectors. It has a single gas outlet point, manufactured from brass material. The collector evacuation is used for relieving the pressure before removing the cylinders from the collector.

Medical Air Plant

TEC51.20

This plant provides the production of sterile air needed in hospitals. Medical air facility; It consists of screw air compressors, compressed air tanks, dessicant and physical air dryers, compressed air filters and medical air regulator panel. The working principle of the system starts with the delivery of compressed air from screw compressors to the pipeline. Compressed air coming out of the compressors varies between 7 and 10 bar, depending on the compressor pressure. The compressed air is then filled into the tanks and the compressed air passing through the tanks is dehumidified by air dryers. After this stage, the dried compressed air is sterilized by passing through particle trap, oil trap and active carbon filters. Compressed air reaches appropriate standards to meet medical requirements upon completion of adequate sterilization processes. With the help of the regulator, line pressure is reduced to the desired pressure level and sent to the medical air system.

Tecnomed Medical Air Plants are designed and manufactured according to ISO 7391-1, ISO 7396-2, HTM 02-01, HTM 2022.



Product Code	Compressor Capacity	Compressor Max Pressure	Compressor Electric Motor Power	Tank Capacity	Filter Group	Dryer Capacity	Medical Air Regulator Group 4-7 Bar	Connection Equipment
TEC51.20.01	41,4 m³/h x 3	10 bar	5,5 kw 7,5 hp	500 Lt x 2	2 Set	54 m³/h x 2	1 piece	1 Set
TEC51.20.02	57,6 m³/h x 3	10 bar	7,5 kw 10 hp	500 Lt x 2	2 Set	72 m³/h x 2	1 piece	1 Set
TEC51.20.03	80,4 m³/h x 3	10 bar	11 kw 15 hp	1000 Lt x 2	2 Set	109,8 m³/h x 2	1 piece	1 Set
TEC51.20.04	134,4 m³/h x 3	10 bar	15 kw 20 hp	1000 Lt x 2	2 Set	150 m³/h x 2	1 piece	1 Set
TEC51.20.05	156 m³/h x 3	10 bar	18,5 kw 25 hp	1000 Lt x 3	2 Set	186 m³/h x 2	1 piece	1 Set
TEC51.20.06	187,2 m³/h x 3	10 bar	22 kw 30 hp	1000 Lt x 3	2 Set	216 m³/h x 2	1 piece	1 Set

The system complies with and HTM 02-01.

Technical Medical Air Plant

TEC51.21



They are system components that provide the production of sterile air needed in hospitals. Tecnomed alternative medical air plant options are systems used for more economical medical air production. These systems can be designed as two redundant tank-over system and back-up with cylinders or emergency feeding. It provides more economical opportunities to its customers by providing medical standards. It can be preferred in hospitals, laboratories and medical areas with a small number of beds. Tecnomed Medical Air Plants are designed and manufactured according to ISO 13485 Quality Management.

Product Code	Compressor Capacity	Compressor Max Pressure	Compressor Electric Motor Power	Tank Capacity	Filter Group	Dryer Capacity	Medical Air Regulator Group 4-7 Bar	Connection Equipment
TEC51.21.01	41,4 m ³ /h x 1	10 bar	5,5 kw 7,5 hp	500 Lt x 1 Horizontal	1 Set	54 m ³ /h x 1	1 piece	1 Set
TEC51.21.02	57,6 m ³ /h x 1	10 bar	7,5 kw 10 hp	500 Lt x 1 Horizontal	1 Set	72 m ³ /h x 1	1 piece	1 Set
TEC51.21.03	80,4 m ³ /h x 1	10 bar	11 kw 15 hp	1000 Lt x 1 Horizontal	1 Set	109,8 m ³ /h x 1	1 piece	1 Set
TEC51.21.04	134,4 m ³ /h x 1	10 bar	15 kw 20 hp	1000 Lt x 1 Horizontal	1 Set	150 m ³ /h x 1	1 piece	1 Set
TEC51.21.05	156 m ³ /h x 1	10 bar	18,5 kw 25 hp	1000 Lt x 1 Horizontal	1 Set	186 m ³ /h x 1	1 piece	1 Set
TEC51.21.06	187,2 m ³ /h x 1	10 bar	22 kw 30 hp	1000 Lt x 1 Horizontal	1 Set	216 m ³ /h x 1	1 piece	1 Set

Screw Type Air Compressor

These are the machines used to obtain compressed air in the Medical Air Plant. Screw air compressors working with the belt and pulley system, with the help of the separator filters, separate the air mixed with the oil passing through the screw group from the oil and send it to the radiator inlet. Oil-free compressed air is cooled in the radiator and given to the compressor outlet line.

Features

- Long-lasting and durable internal structure
- PLC Control Screen
- Belt-Pulley System
- Quiet and efficient
- Ease of periodic maintenance

TEC51.21.SC



Compressed Air Tanks

Compressed air tanks are cylindrical structures that store compressed air in the system. Compressed air tanks are produced in volumes of 250 liters, 500 liters, 1000 liters or 2000 liters, horizontally or vertically.

It is produced according to BS EN 286-1:1998 + A2:2005 standards.

Optional Features

- Automatic Evacuation System
- Condenser Drain System

TEC51.21.AT



Filter Group

It enables the compressed air in the medical air plant to be sterilized and converted into medical air. It is placed after the dryer. The dehumidified air coming out of the dryer enters the general purpose element and the first filtration process is performed. Afterwards, it is purified again from the oil particles and droplets remaining inside by passing through the oil trap precision filter. Afterwards, it passes through the activated carbon filter and the odor of oil and hydrocarbon derivatives gases are removed. Finally, the final filtration process is completed by passing through the particle trap filter element. It becomes compliant with medical air standards.

TEC51.21.FC



Quad Filter Group

General Purpose Filter> Oil Trap Filter>
Activated Carbon Filter> Particle Trap
Filter

Technical Specifications

- Aluminum Alloy
- 20 bar maximum working pressure

Optional Features

- Filter Element Clogging Indicator
- Automatic Drain System

TEC51.21.AD Compressed Air Dryers

It is used to dry the moisture in the compressed air in the medical air plant. Compressed air dryers are divided into two as refrigerated type and dessicant type.

Technical Specifications

- PLC Control Screen
- Silencer Filters
- Redundant Tower System
- Easy setup



Medical Air Regulator Group 4-7 Bar

It is the last component in the medical air plant. The medical air regulator group stabilizes the pressure at the desired value and ensures its flow. 7-8 bar pressure range is preferred for surgical air, 4-5 bar pressure range is preferred for respiration in intensive care and operating rooms.

TEC51.21.AR



Medical Vacuum Plant**TEC51.22**

The medical vacuum unit is the main center of the suction system used in patient rooms, intensive care services and during medical operations. Vacuum pumps connected in parallel with each other provide suction by controlling each of them at equal time and intervals thanks to the same aging control panel. The negative pressure filled into the vacuum tanks is then passed through the bacteria line filters. By means of the PLC control panel, the active or passive status of each pump can be monitored.

Tecnomed Medical Vacuum Plants are designed and manufactured according to HTM 02-01, HTM 2021. The system complies with MDD 93/42 / EEC and EN-ISO 7396-1 standards.



Product Code	System Capacity (m ³ /h50 hz)	Electric Motor Power Kw/50 hz	Tank Capacity	Bacteria Filter Group	Connection Equipment	PLC Control Panel
TEC51.22.01	25 m ³ /h x 3	0,75 kw	500 Lt x 2	Double Set	1 Set	1 PC
TEC51.22.02	40 m ³ /h x 3	1,1kw	500 Lt x 2	Double Set	1 Set	1 PC
TEC51.22.03	60 m ³ /h x 3	1,5 kw	500Lt x 2	Double Set	1 Set	1 PC
TEC51.22.04	106 m ³ /h x 3	2,2 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.22.05	151 m ³ /h x 3	3,3 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.22.06	205 m ³ /h x 3	5,5 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.22.07	305 m ³ /h x 3	7,5 kw	2000 Lt x 2	Double Set	1 Set	1 PC

Rack System Medical Vacuum Plant

TEC51.23

- Designed as a ready to use for the medical vacuum system.
- Thanks to its modular design, it provides an advantage in narrow spaces.
- It is designed in connection with bacteria line filters and PLC Control Panel.
- Thanks to its compact structure, it provides ease of installation to the user.
- Open shelves provide easy access for maintenance.



Product Code	System Capacity (m³/h x 3)	Electric Motor Power Kw/50 hz	Tank Capacity	Bacteria Filter Group	Connection Equipment	PLC Control Panel
TEC51.23.01	25 m³/h x 3	0,75 kw	500 Lt x 2	Double Set	1 Set	1 PC
TEC51.23.02	40 m³/h x 3	1,1kw	500 Lt x 2	Double Set	1 Set	1 PC
TEC51.23.03	60 m³/h x 3	1,5 kw	500Lt x 2	Double Set	1 Set	1 PC
TEC51.23.04	106 m³/h x 3	2,2 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.23.05	151 m³/h x 3	3,3 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.23.06	205 m³/h x 3	5,5 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.23.07	305 m³/h x 3	7,5 kw	2000 Lt x 2	Double Set	1 Set	1 PC

Medical Vacuum Plant Tank-Over System**TEC51.24**

- Designed as a ready to use for the medical vacuum system.
- Oil-type vacuum pumps installed on a horizontal tank are suitable for low ceiling rooms.
- Each suction outlet is connected to the tank and equipped with check-valves.
- It is designed as fully automatic with bacteria line filters and PLC Control Panel connection.
- Thanks to its compact structure, it provides ease of installation to the user.



Product Code	System Capacity (m ³ /h50 hz)	Electric Motor Power Kw/50 hz	Tank Capacity	Bacteria Filter Group	Connection Equipment	PLC Control Panel
TEC51.24.01	25 m ³ /h x 2	0,75 kw	500 Lt	Single Set	1 Set	1 PC
TEC51.24.02	40 m ³ /h x 2	1,1kw	500 Lt	Single Set	1 Set	1 PC
TEC51.24.03	60 m ³ /h x 2	1,5 kw	500Lt	Single Set	1 Set	1 PC
TEC51.24.04	106 m ³ /h x 2	2,2 kw	1000 Lt	Single Set	1 Set	1 PC
TEC51.24.05	151 m ³ /h x 2	3,3 kw	1000 Lt	Single Set	1 Set	1 PC
TEC51.24.06	205 m ³ /h x 2	5,5 kw	1000 Lt	Single Set	1 Set	1 PC
TEC51.24.07	305 m ³ /h x 2	7,5 kw	2000 Lt	Single Set	1 Set	1 PC

Vacuum Pumps

TEC51.25



- Specially designed for medical systems.
- Provides high performance in continuous working conditions.
- Oily rotating pallets and silent operation
- Contains purifying filters for the exhaust outlet.
- Air cooled system
- Easy maintenance

VACUUM PUMPS TECHNICAL SPECIFICATIONS

Technical Specification		TEC025	TEC040	TEC060	TEC106	TEC151	TEC205	TEC305
Rated Capacity	50 Hz - m³/h	25	40	60	106	151	205	305
Motor Power	50 Hz - kw	0,75	1,1	1,5	2,2	3,3	5,5	7,5
Motor Speed	50 Hz - d/d	1500	1500	1500	1500	1500	1500	1500
Noise Level	50 Hz - db(A)	53	60	63	64	65	70	73
Operation Temperature	50 Hz - °C	80	80	82	84	84	82	86
Approximate Weight	Kg.	27	48	56	75	99	190	265
Vacuum Efficiency	mbar	2	2	2	2	2	2	2

General Maintenance Kit

TEC.51.25.01



It needs to be done every 3000 hours or once every 6 months

- Oil change
- Oil Filter replacement
- Air Filter replacement
- Exhaust Filters replacement
- General inspection and cleaning

Preventive Maintenance Kit

TEC.51.25.02



It is recommended to do it every 12.000 Hours or once every 2 years

- Replacement of Bearings
- Cover Gaskets Replacement
- Change of bearings
- Change of sealings.
- Change of pallets
- Coupling Change

Vacuum Tank

TEC51.26

- Vertical or horizontal options
- Designed for use in medical vacuum centers.
- Produced from galvanized steel in thicknesses in accordance with standards.
- Safety cover and three-legged solid body carriers
- 500 Lt, 1000 Lt, 1500 Lt, and 2000Lt. capacity options



Bacteria Filter Group

TEC51.27

- It is produced in accordance with the medical vacuum center capacities.
- By-pass line and inlet-outlet valves
- Scum Collection Jar
- Optional Clog Indicator
- Bacterial filtration up to 30 microns.



PLC Control Panel

TEC51.28

- It has been produced fully automatic and functionally in order to operate the medical vacuum plant.
- By the help of its equal aging feature, it ensures the long life of the pumps.
- Provides a soft start and prevents the wear of the pumps.



Anaesthetic Gas Scavenging System

TEC51.29

It is designed to remove the anesthetic gas mixture discharged from AGSS sockets. Single and double blower versions are available. The system is assembled on a chassis with a control panel. Blowers are oil-free and air-cooled. They provide high efficiency against continuous working conditions. Tecnomed AGSS systems are manufactured in accordance with MDD 93/42/EEC and HTM 02-01 standards.



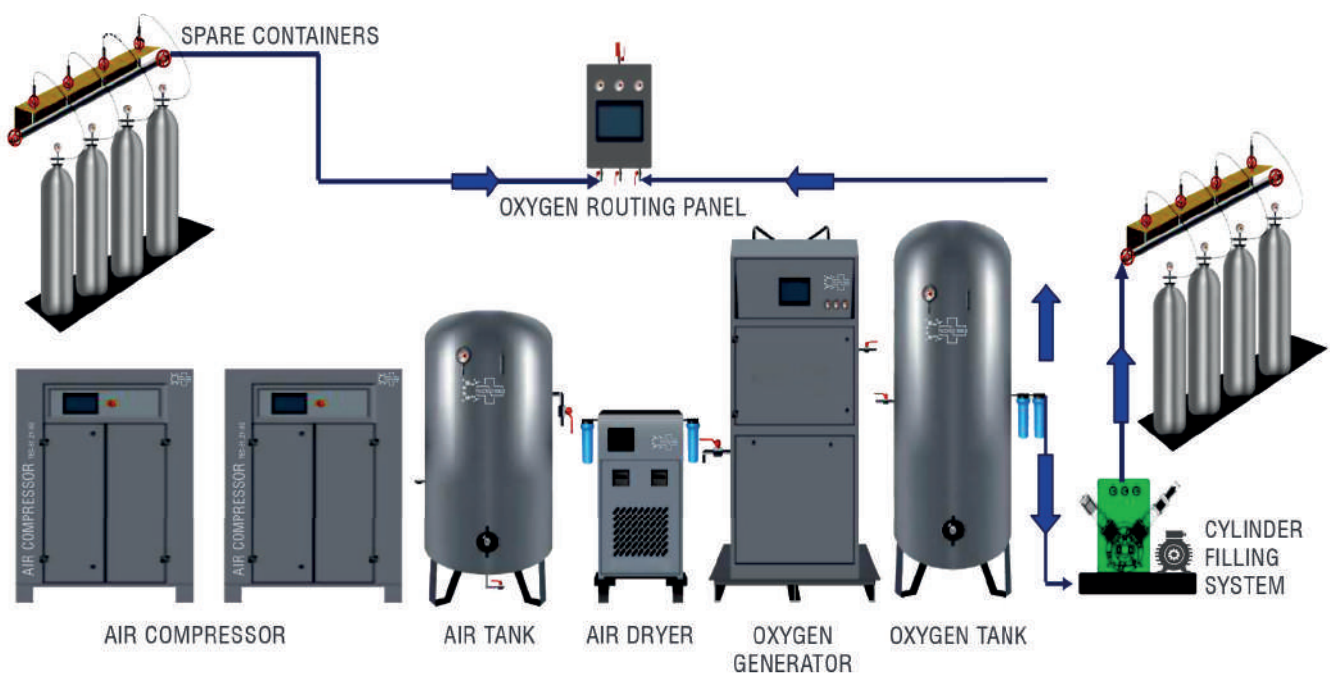
Oxygen Production System

TEC51.30

It ensures oxygen production in hospitals and medical centers where oxygen is needed. It consists of oxygen generators, compressors, tanks, dryers and filtration equipment. Tecnomed oxygen generators are designed according to hospital oxygen capacity needs. There are capacity options between 3 m³/h -150 m³/h. Generally, it is combined with hospital cylinder gas supply units as redundant.

Optional features

- Stainless Steel Tanks
- Backup Compressors and Dryers
- Activated Carbon Tower
- Automatic Drain Systems
- Compact ready container assembly
- Filling System



Liquid Oxygen Systems

TEC51.31

Liquid oxygen tanks are manufactured in accordance with international standards for cryogenic liquid storage. Tecnomed Lox tanks are certified by Turk Loydu organization. The capacities of liquid tanks used in hospitals are generally varies between 3,000 Lt.-25,000 Lt.

Each cryogenic stock tank consists of two vessels that are inner and outter. The tank containing the liquid oxygen is made of stainless steel. In order to provide heat insulation between the two tanks, perlite is filled and vacuum is created.

Tecnomed Lox tanks are specially designed and manufactured. They are designed and manufactured in accordance with EN 13458-2 standard and 2014/68/EU Pressure Equipment Directive.

Parameters	Inner Vessel	Outter Vessel
Design Code	EN-13458-2 / ANNEX C	EN-3458-2 / Annex C
Design Temperature	-196°	-20 / +50 °
Design Pressure	16 bar	-1 bar
Max Operation Pressure	15 bar	
Safety Pressure	15.5 bar	
Main Materials	1.4301-4307 / 304-304 L	S235JR
Test Pressure	24 bar	3-5 bar



All system capacities and components may differ according to the projects.



Evaporators

TEC.51.32

Evaporators, are coupled with liquid oxygen tanks (LOX) and they are equipment that enable liquefied gases to evaporate and become usable gases. Briefly, its working principle is used for evaporating the cryogenic liquid passing through it, thanks to the heat it receives from the atmosphere. Evaporators (Vaporizers) are produced from 5000 or 6000 series aluminum finned pipes, aluminum pipes and aluminum box profiles suitable for cryogenic use.



Liquid Oxygen Converter Unit

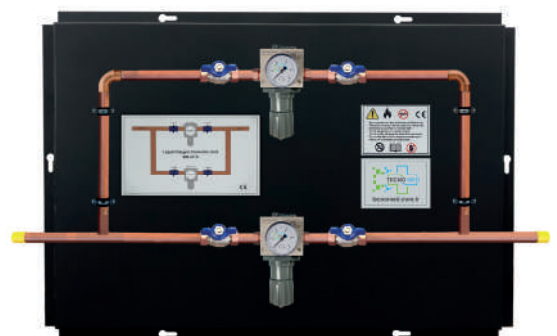
TEC.51.33

The liquid oxygen coming from the liquid oxygen tank is converted into gas with the help of evaporators. The line pressure is 15 bar at the end of the evaporators. It is the unit used for adjusting the pressure in the 4-5 bar range before entering the hospital at the last stage.

Tecnomed Liquid oxygen conversion unit is produced in accordance with HTM 02-01, MDD 93/42/EEC, EN ISO 7396-1 and ISO 13485 standards.

Features

- Backup System
- Oxygen compatible High Flow Regulators
- Integration to Cylinder Manifold System



Liquid Oxygen Systems

TEC51.31

Product Code	Tank Volume	Evaporator Capacity	Liquid Converter Capacity
TEC.51.31.01	3 m ³	100 - 200 m ³ /h	300 m ³ /h
TEC.51.31.02	5 m ³	100 - 200 m ³ /h	300 m ³ /h
TEC.51.31.03	10 m ³	400 m ³ /h	800 m ³ /h
TEC.51.31.04	15 m ³	600 m ³ /h	800 m ³ /h
TEC.51.31.05	20 m ³	600- 700 m ³ /h	800 m ³ /h
TEC.51.31.06	25 m ³	700- 800 m ³ /h	800 m ³ /h
TEC.51.31.07	30 m ³	800 m ³ /h	800 m ³ /h

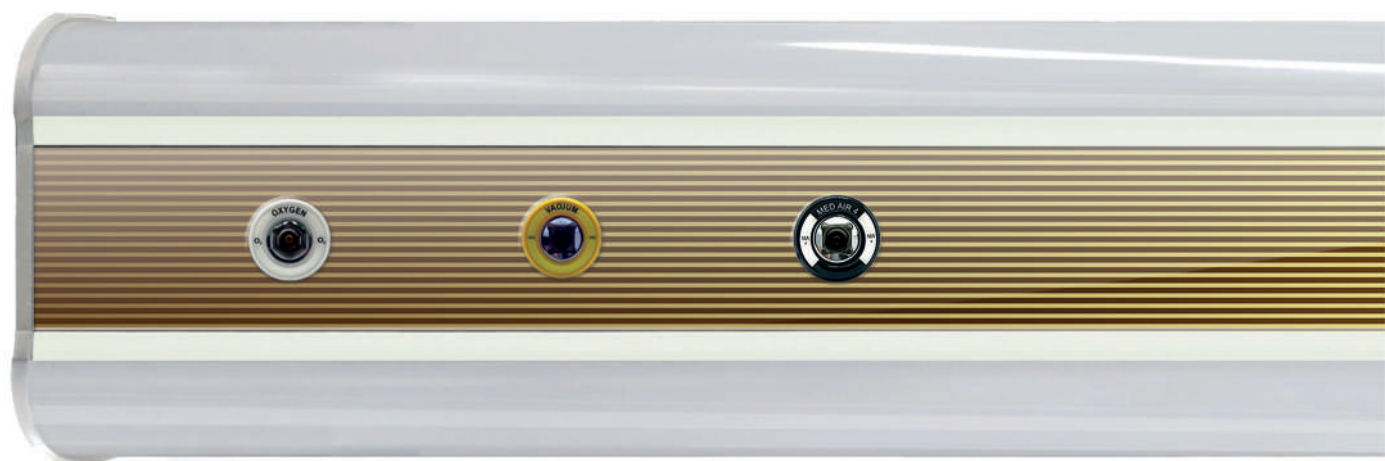
Oxygen Production System

TEC51.30

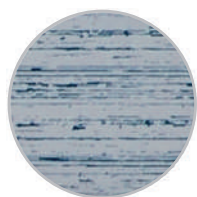
Product Code	O2 Generator Capacity (lt & m ³ /h)	Number of Beds	Compressor Capacity (m ³ /h & kW)	Dryer Capacity (m ³ /h & kW)	Air Tank Capacity	Oxygen Tank Capacity	Compressor Type
TEC 51.30.01	50 lt - 3 m ³ /h		37,2 m ³ /h - 4 kW	54 m ³ /h - 0,26 kW	500 lt	500 lt	Screw Type
TEC 51.30.02	100 lt - 6 m ³ /h		66 m ³ /h - 7,5 kW	109,8 m ³ /h - 0,26 kW	500 lt	500 lt	Screw Type
TEC 51.30.03	150 lt - 9 m ³ /h		150 m ³ /h - 15 kW	216 m ³ /h - 0,79 kW	1000 lt	500 lt	Screw Type
TEC 51.30.04	200 lt - 12 m ³ /h		150 m ³ /h - 15 kW	216 m ³ /h - 0,79 kW	1000 lt	500 lt	Screw Type
TEC 51.30.05	250 lt - 15 m ³ /h		180 m ³ /h - 18,5 kW	246 m ³ /h - 0,87 kW	1000 lt	500 lt	Screw Type
TEC 51.30.06	300 lt - 18 m ³ /h		217,2 m ³ /h - 22 kW	390 m ³ /h - 1,2 kW	1000 lt	500 lt	Screw Type
TEC 51.30.07	350 lt - 21 m ³ /h		217,2 m ³ /h - 22 kW	390 m ³ /h - 1,2 kW	1000 lt	500 lt	Screw Type
TEC 51.30.08	400 lt - 24 m ³ /h		270 m ³ /h - 30 kW	390 m ³ /h - 1,2 kW	1000 lt	1000 lt	Screw Type
TEC 51.30.09	500 lt - 30 m ³ /h		339 m ³ /h - 30 kW	462 m ³ /h - 1,44 kW	1000 lt	1000 lt	Screw Type
TEC 51.30.10	600 lt - 36 m ³ /h		369 m ³ /h - 37 kW	600 m ³ /h - 1,8 kW	1500 lt	1000 lt	Screw Type
TEC 51.30.11	700 lt - 42 m ³ /h		426 m ³ /h - 45 kW	600 m ³ /h - 1,8 kW	1500 lt	1000 lt	Screw Type
TEC 51.30.12	800 lt - 48 m ³ /h		546 m ³ /h - 55 kW	720 m ³ /h - 2 kW	2000 lt	1000 lt	Screw Type
TEC 51.30.13	900 lt - 54 m ³ /h		744 m ³ /h - 75 kW	1080 m ³ /h - 3,5 kW	2000 lt	1000 lt	Screw Type
TEC 51.30.14	1000 lt - 60 m ³ /h		744 m ³ /h - 75 kW	1080 m ³ /h - 3,5 kW	2000 lt	1000 lt	Screw Type
TEC 51.30.15	1100 lt - 66 m ³ /h		744 m ³ /h - 75 kW	1080 m ³ /h - 3,5 kW	3000 lt	2000 lt	Screw Type
TEC 51.30.16	1200 lt - 72 m ³ /h		774 m ³ /h - 75 kW	1080 m ³ /h - 3,5 kW	3000 lt	2000 lt	Screw Type
TEC 51.30.17	1300 lt - 78 m ³ /h		876 m ³ /h - 75 kW	1440 m ³ /h - 3,9 kW	3000 lt	2000 lt	Screw Type
TEC 51.30.18	1400 lt - 84 m ³ /h		978 m ³ /h - 90 kW	1440 m ³ /h - 3,9 kW	3000 lt	2000 lt	Screw Type
TEC 51.30.19	1500 lt - 90 m ³ /h		978 m ³ /h - 90 kW	1440 m ³ /h - 3,9 kW	5000 lt	3000 lt	Screw Type
TEC 51.30.20	1600 lt - 96 m ³ /h		1176 m ³ /h - 110 kW	1440 m ³ /h - 3,9 kW	5000 lt	3000 lt	Screw Type
TEC 51.30.21	1700 lt - 102 m ³ /h		1176 m ³ /h - 110 kW	1440 m ³ /h - 3,9 kW	5000 lt	3000 lt	Screw Type
TEC 51.30.22	1800 lt - 108 m ³ /h		1176 m ³ /h - 110 kW	1440 m ³ /h - 3,9 kW	5000 lt	3000 lt	Screw Type
TEC 51.30.23	1900 lt - 114 m ³ /h		1338 m ³ /h - 110 kW	1800 m ³ /h - 4,45 kW	5000 lt	3000 lt	Screw Type
TEC 51.30.24	2000 lt - 120 m ³ /h		1338 m ³ /h - 110 kW	1800 m ³ /h - 4,45 kW	5000 lt	3000 lt	Screw Type

Vexillum Bed Head Units are designed to provide comfort to users with their simple design and ergonomic structure. All Tecnomed Bed Head Units are produced in accordance with EN 11197 standards. Each unit can be produced in different size, color and features according to customer needs.

PATIENT BED HEAD UNITS



Carbon Series



Stone Series



Wood Series

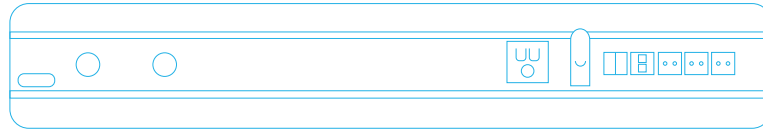


Gold Series

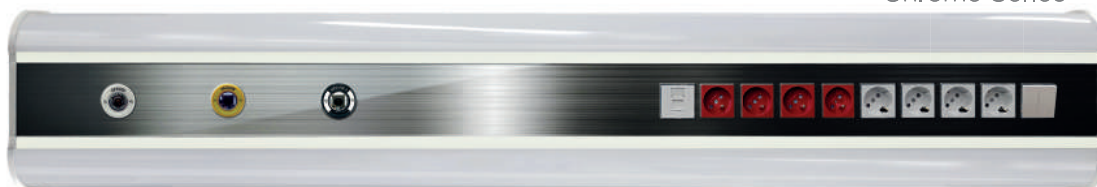


"New generation high-tech Bed Head Units"

TECNOMED Bed Head Units are the units with medical gas services, nurse call system solutions and lighting services placed in patient rooms. These are specially designed to offer comfort to patients with their new technology and optional design features.



Chrome Series



Texture Series



Standard Accessories

- Electrical Sockets (Mains) 2 Pieces DIN-UK-USA
- Electrical Sockets (UPS) 1 Piece DIN-UK-USA
- Data Socket Cover
- Bottom Reading Lighting – 1 Piece Led
- Upper Room Lighting – 1 Led
- Double Switch Group
- Nurse Call Provision (Optional)
- Medical Gas Outlets – DIN-BS-AF

Optional Features

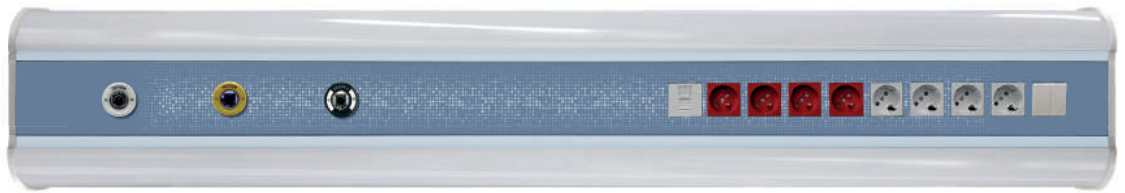
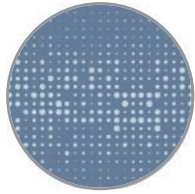
- Grounding Points
- Front Cover Design Options
- Antibacterial paint in RAL colors
- Optional length

"Accessories and features in Bed Head Units are produced specially according to customer demands."

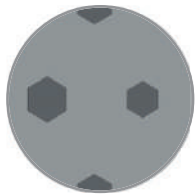


Arabic Design

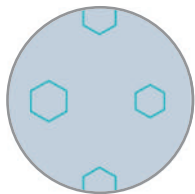
Graphic Printed Applications



Dot Design



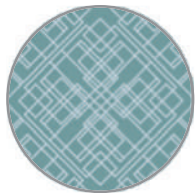
Hexagon Design



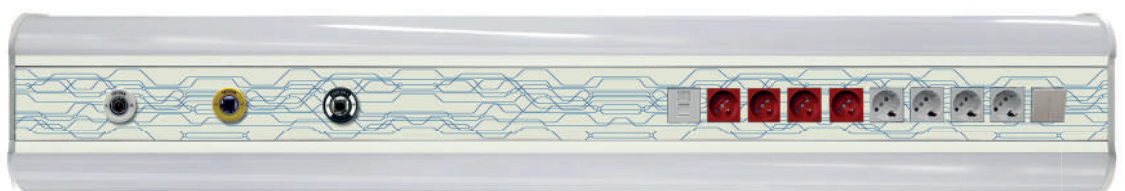
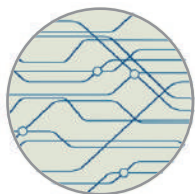
Hexagon Design 2



Degrade Design



Texture Design



Future Design



Accessory Rail

Clarail Bed Head Unit TEC 11.02

TEC11

BED HEAD UNITS

Twin Bead Head Unit

TEC11.03

Twin Bead Head Units can accommodate more medical gas services and electrical services with their wide body structure. With its double aluminum body channel and side composite lighting channels, it provides a good view for wide walls. It provides passage through separate channels for all gas and electricity services. All Tecnomed Bead Head Units are manufactured in accordance with EN 11197 standards. Each unit can be produced in different sizes, colors and features according to customer needs.



Standard Accessories

- Electrical Sockets (Mains) 4 Pieces DIN-UK-USA
- Electrical Sockets (UPS) 2 Pieces DIN-UK-USA
- Grounding Points
- Data Socket 1 Piece
- Bottom Reading Lighting – 2 Pieces Led
- Upper Room Lighting – 2 Pieces Led
- Double Switch Group
- Medical Gas Outlets – DIN-BS-AF

Optional Features

- Front Cover Design Options
- Wood and Gold Foil Coating Options
- Antibacterial paint in RAL colors
- Optional length
- Accessory Rail



UNIQUE



All Options

- Touch Control Panel
- Control Hand Remote
- Lighting Adjustment (Dimmer)
- Visual Lighting with Diffuser
- Unit Cover UV Printer Printouts
- Special Designs for Pediatric Services
- Illuminated front cover
- Double Color Option Bottom Reading Lighting – 2 Leds
- Upper Room Lighting with Double Color Options – 2 Leds
- Special Cover Designs According to Hospital Company Colors

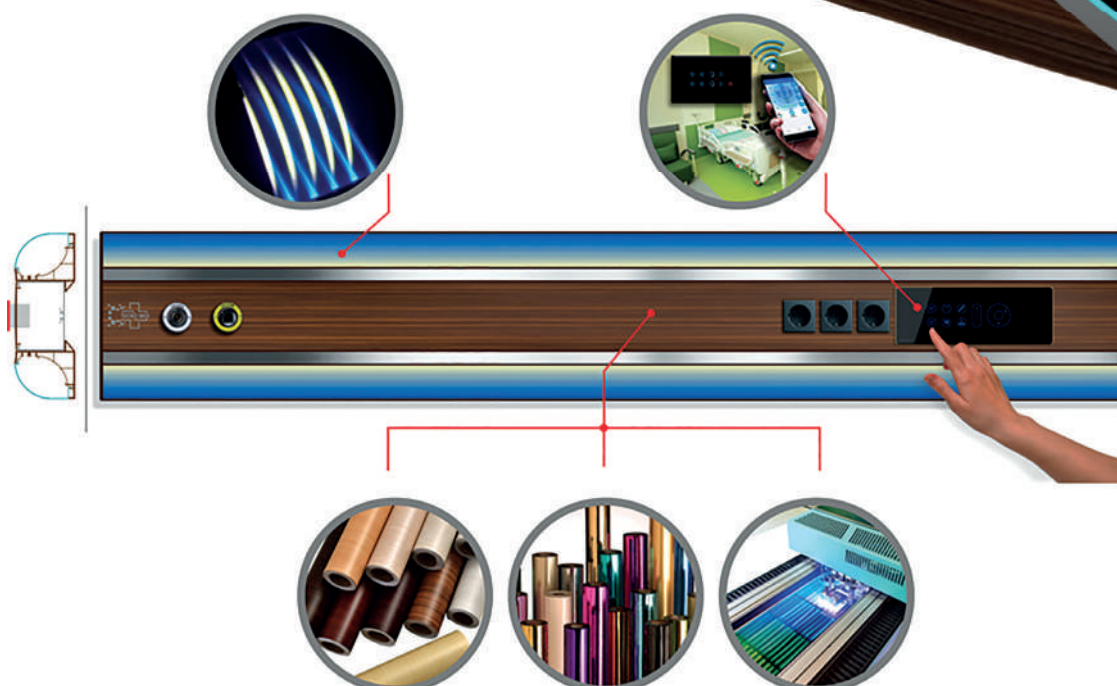


Tecnomed offers opportunities to recreate the patient room for you with its highly talented designers and engineers. This product is specially produced for each customer and hospital. All designs and productions are made specifically for the hospital. This wall system, prepared for your VIP rooms, offers you a privilege by hiding medical gas services, lighting and electrical services in a superior and luxury structure.

Unique Bed Head Units are designed to combine technology and lustre to offer the most perfect experience to users. Each unit is produced in different sizes according to customer needs, with optional comfort feature and visual designs, completely according to the wishes of the customers. Tecnomed Bed Head Units are manufactured in accordance with EN 11197 standards.

TEC11

BED HEAD UNITS



Hendem Patient Bedhead units are specially designed to give an elegant look to patient rooms. The unit is manufactured entirely from an aluminum monolithic channel. There is a reading lamp, electrical sockets and medical gas outlets on the unit. There is a separate connection socket for each electrical outlet and a separate connection socket within the gas socket. Electrical and gas systems in the unit are designed completely separate from each other. All Tecnomed Patient Bedhead units are designed according to EN 11 197 standards.



Tecnomed Patient bedhead units are produced in colors and sizes according to hospital projects and hospital architectural design. Patient room interior design; It is very important for the patient to feel comfortable in the room. In addition, it is very important for healthcare personnel to be able to use the unit easily, to have easy access to lighting and electrical services, and to be able to use medical gas sockets without difficulty.

Hendem Bedhead models are specially designed for high-end customers with their superior quality and ergonomic design.

Standard Accessories

- Electrical Sockets (Grounded) 2 Pieces DIN-UK-USA
- Electrical Sockets (UPS) 2 Piece DIN-UK-USA
- Data Socket
- Bottom Reading Lighting – 1 ea Led
- Switch Group
- Nurse Call Provision (Optional)
- Medical Gas Outlets (Optional) – DIN -BS -AF

Optional Features

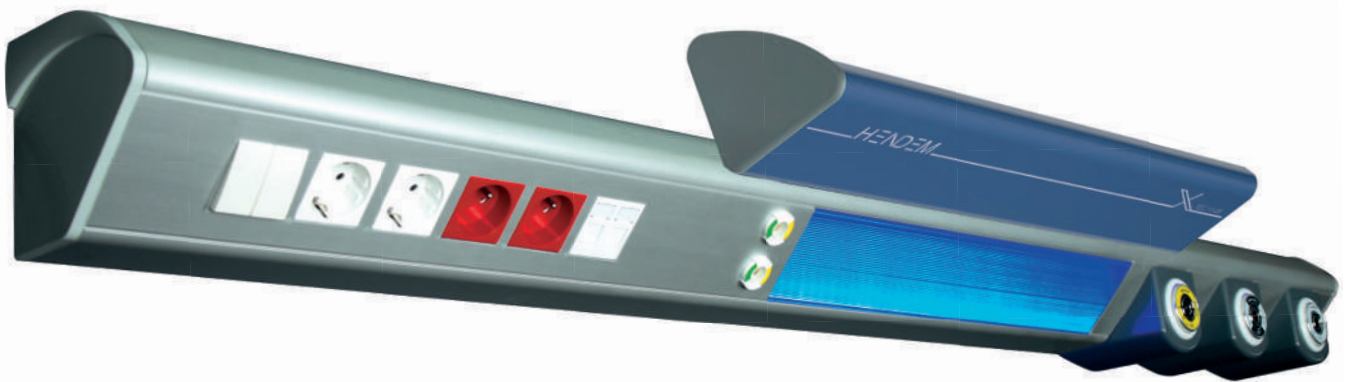
- Grounding Points
- Front Cover Design Options
- Antibacterial paint in RAL colors
- Optional length – Up to 6000 mm

“All accessories can be designed according to customer demand.”

Hendem Patient Bedhead units are specially designed to give an elegant look to patient rooms. The unit is manufactured entirely from an aluminum monolithic channel. There are reading and general room lighting, electrical sockets and medical gas outlets on the unit. There is a separate connection socket for each electrical outlet and a separate connection socket within the gas socket. Electrical and gas systems in the unit are designed completely separate from each other. All Tecnomed Patient Bedhead units are designed according to EN 11 197 standards.

TEC11

BED HEAD UNITS



Tecnomed Patient bedhead units are produced in colors and sizes according to hospital projects and hospital architectural design. Patient room interior design; It is very important for the patient to feel comfortable in the room. In addition, it is very important for healthcare personnel to be able to use the unit easily, to have easy access to lighting and electrical services, and to be able to use medical gas sockets without difficulty. Hendem bedhead unit offers more light options than other products with four additional room lighting options.

Hendem Bedhead models are specially designed for high-end customers with their superior quality and ergonomic design.

Standard Accessories

- Electrical Sockets (Grounded) 2 Pieces DIN-UK-USA
- Electrical Sockets (UPS) 2 Piece DIN-UK-USA
- Data Socket
- Bottom Reading Lighting – 1 ea Led
- Upper Room Lighting – 1 ea Led
- Double Switch Group
- Nurse Call Provision (Optional)
- Medical Gas Outlets (Optional) – DIN -BS -AF

Optional Features

- Grounding Points
- Front Cover Design Options
- Antibacterial paint in RAL colors
- Optional length – Up to 6000 mm

“All accessories can be designed according to customer demand.”

Intensive Care Units

TECNOMED Intensive Care Units are functional units on which the equipment used during the intervention to the patients are mounted, on which medical gas sockets and electrical services are located. Tecnomed Intensive Care Units are manufactured in accordance with EN 11197 standards.

Standard Accessories

- Electrical Sockets (Grounded) 6 Pieces DIN-UK-USA
- Electrical Sockets (UPS) 6 Pieces DIN-UK-USA
- Grounding Points
- Data Socket 1 Piece
- Nurse Call Provision (Optional)
- Medical Gas Outlets – DIN-BS-AF



Vexillum Intensive Care Unit TEC11.08



Trio Intensive Care Unit TEC11.09

Intensive Care Units

Tecnomed Intensive Care Units are specially produced to offer options according to the design of intensive care services.

Vexillum is one of the indispensable units of intensive care services with all its standard features.

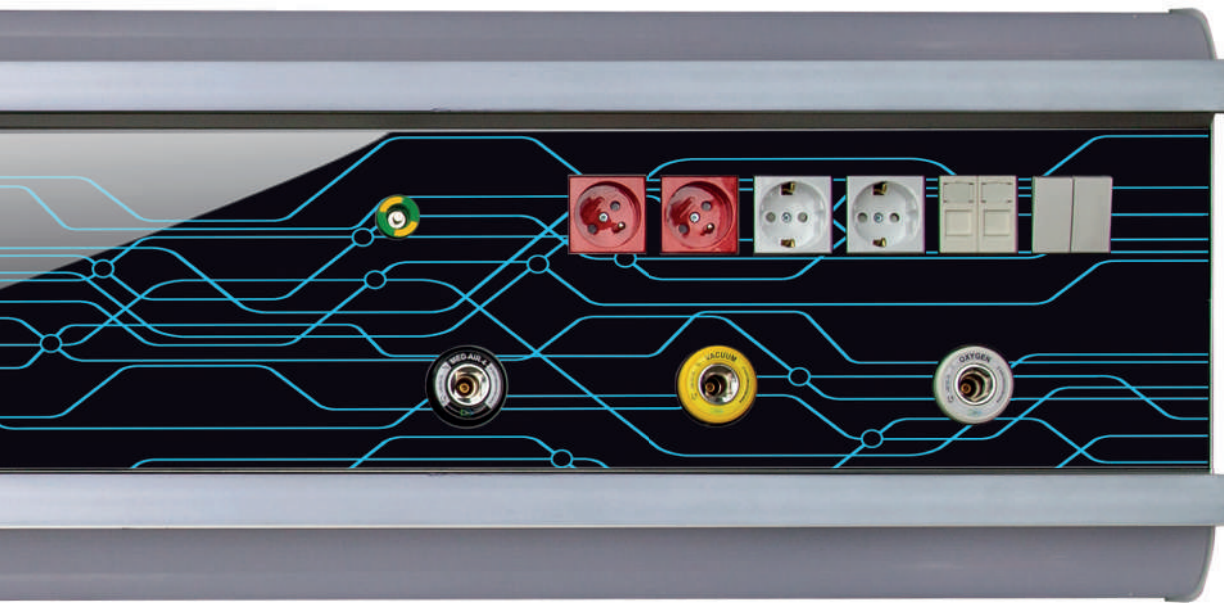
Flash intensive care units are designed for 1st level intensive care and private intensive care rooms in more special rooms.

TEC11

BED HEAD UNITS

The Trio intensive care unit is offered to users in services where more electrical services are needed and with a 30x10 mm rail service that can accommodate all accessories to cover wide walls.

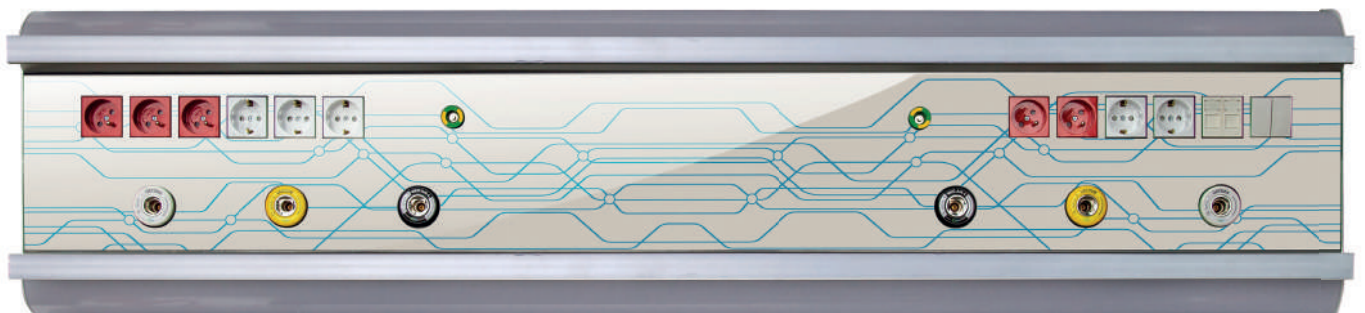
Visual designs of all intensive care units of Tecnomed are reserved. It is designed specifically for the customer and hospital project.



Flash Intensive Care Unit TEC11.07



Flash Intensive Care Unit TEC11.10



Flash Intensive Care Unit TEC11.11

TECNOMED Bridge Type Intensive Care Units are products that carry medical gas services, electrical services and intensive care equipment in modular hospital intensive care units. It provides many possibilities thanks to the pendentives it carries with its sliding structure. Tecnomed intensive care units are manufactured in accordance with EN 11197 standards.



**Infusion Pump and Serum Rail Type
TEC12.02**



Monitor Stand TEC12.01



Intensive Care Basket TEC12.03

Equipment Groups;

Wet Stand

- Infusion pump and Perfuser Carrier
- 2 IV Posts
- 340° turning route
- Sliding system throughout the unit
- Up and down height adjustment

Technical Specifications

Unit Dimensions:
330x2000x130
(WidthxLengthxHeight)
Carrying Capacity: 50 kg
Material: Coated aluminium
Electricity: 220V – 50 Hz

Dry Stand

- 1 Stainless Steel Shelf Drawer
- 1 Stainless Steel Shelf
- 4 Side Accessory Rails 10x30 mm
- Sliding system throughout the unit
- 340° turning route

TEC11

BED HEAD UNITS



TEC12.06
Serum Rail Type



TEC12.05
Monitor Stand with Basket



TEC12.04
Medical Accessory Rail

Sude Vertical Intensive Care Units are designed for easy access to medical equipment and medicines, electrical services and gas outlets to be used during intervention with patients. Depending on the project, it can be produced to serve two patients, front and back.

Tecnomed Intensive Care Units are produced in accordance with EN 11197.



Standard Accessories

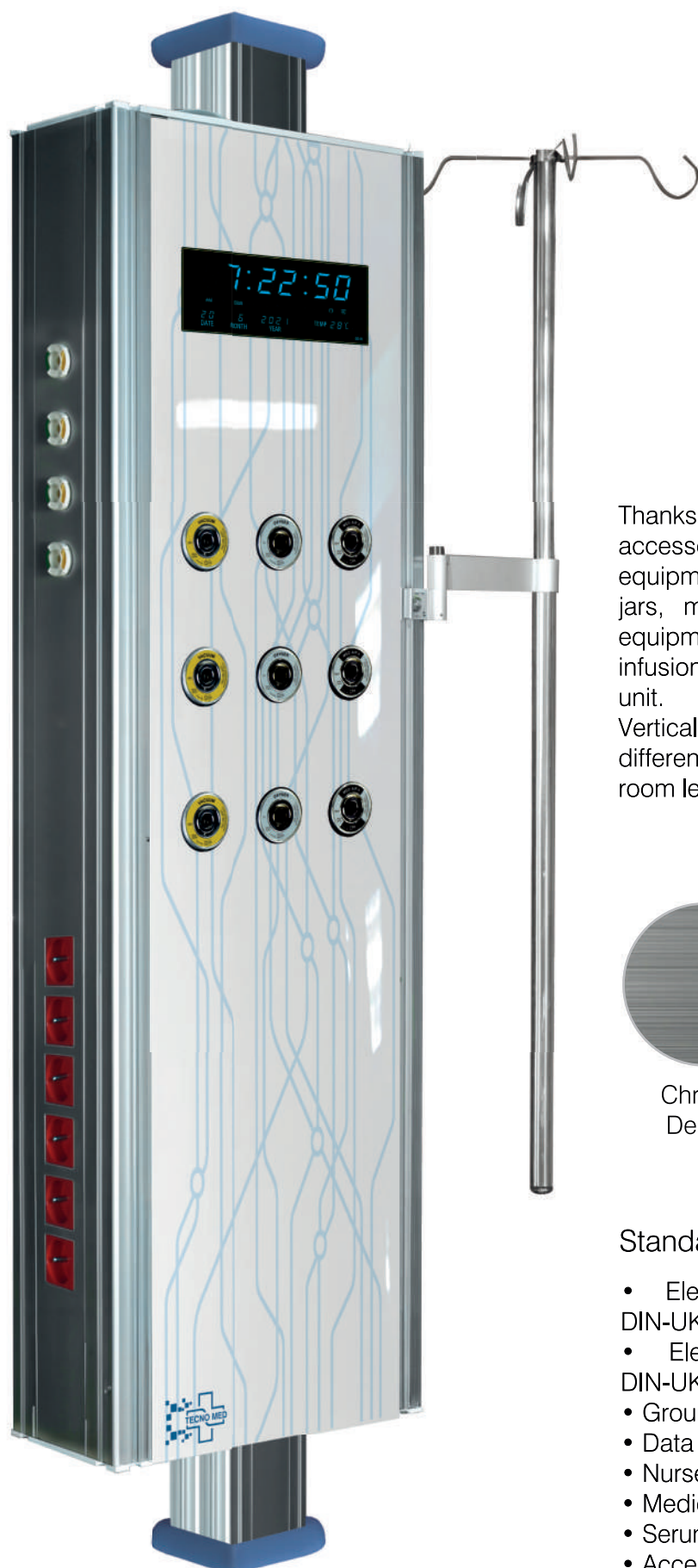
- Electrical Sockets (Mains) 12 Pieces DIN-UK-USA
- Electrical Sockets (UPS) 12 Pieces DIN-UK-USA
- Grounding Point 8 Pieces
- Data Sockets 2 Pieces
- Nurse Call Provision (Optional)
- Medical Gas Outlets – DIN-BS-AF (Optional)



Vertical Intensive Care Unit

TEC11.14

Vertical Intensive Care Units are designed as a floor-to-ceiling unit used in intensive care services that do not have wall-mounted facility or to provide easier access to utilities. Tecnomed Intensive Care Units are manufactured in accordance with EN 11197 standards.

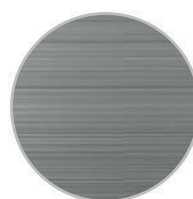


TEC11

BED HEAD UNITS

Thanks to the vertical intensive care unit medical accessory rail, it serves to carry suction equipment such as vacuum jars and catheter jars, monitor stands and other rail-mounted equipment. There are right and left IV poles and infusion perfuser carrier stainless arms on the unit.

Vertical intensive care units are produced in different colors and patterns and according to the room length and to the hospital project.



Chrome
Design



Wood
Design



Wood
Design

Standard Accessories

- Electrical Sockets (Mains) 12 Pieces
DIN-UK-USA
- Electrical Sockets (UPS) 12 Pieces
DIN-UK-USA
- Grounding Point 8 Pieces
- Data Sockets
- Nurse Call Provision (Optional)
- Medical Gas Outlets – DIN-BS-AF (Optional)
- Serum Hanger 2 pcs
- Accesorial Rail

TECNOMED Pendant units provide users with the most comfortable facilities with their high-tech mechanisms and visual design.

Operating room and intensive care pendants are specially designed and produced for each hospital. It has been produced to provide comfort to the user for medical gas and electricity services, the use of medical devices and the equipment.

Standard accessories

- Electrical Socket: 8 Pieces (UK, USA, Europe)
- Grounding Point: 8 Pieces
- Rail Rack: 2 Pieces

PENDANT SYSTEMS



**Twin Pendant
TEC 21.06**

Optional Accessories

- Shelves
- IV Pole
- Drawer
- Data socket cover
- Pressure gauge for Medical Gases
- Medical gas outlets (BS, DIN, AF)

Features

- 90 kg load carrying capacity as standard. Up to 180 kg as customized.
- Color-coded brake buttons and knuckles.
- Optional electromagnetic and pneumatic brake system.

Motorized Double Arm Three Joint Pendant TEC 21.02



Rigit Pendant
TEC 21.05



Motorized Single Arm
Double Joint Pendant
TEC 21.01



Non-Motorized Single Arm
Double Joint Pendant
TEC 21.03



Non-Motorized Double Arm
Three Joint Pendant
TEC 21.04

Area Valve Service Units

TEC31

TECNOMED Zone Gas Control Units are used for monitoring the pressure values of gas services in medical areas in hospitals and to cut the gas flow in emergency situations.

Elegance Zone Control Service Unit

TEC31.01

TECNOMED Zone Gas Control Units are used for monitoring the pressure values of gas services in medical areas in hospitals and to cut the gas flow in emergency situations.

TECNOMED Zone Gas Control Units are manufactured in accordance with EN ISO 7396-1 and HTM 02-01 standards.

Features

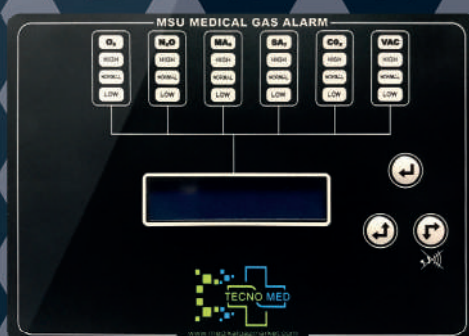
- Controls 1 to 6 gases including vacuum
- Sliding type opening special design cover
- Separate analogue manometers for each gas
- Thanks to the window on the cover, analog manometers and digital alarms can be monitored.
- The frame is made of carbon steel sheets, electrostatically painted.
- The front cover is made of plexiglass with a design printed and sliding.
- Pressure billets are made of brass raw material, and on-off valves are made of valves for medical purposes.
- Flush mounted and surface mounted variants are available.
- On-off medical gas valves for each gas
- There are low pressure sensors for each gas on the unit.

AREA VALVE SERVICE UNITS



Elegance Zone Service Units TEC31.01

GAS ALARM CONTROLLER



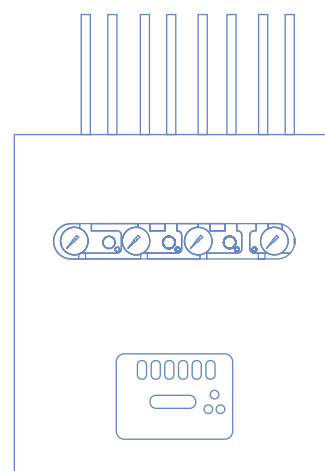
Gas Services

- Oxygen
- Medical Vacuum
- Medical Air 4 bar
- Surgical Air 7 bar
- Nitrous oxide
- Carbon dioxide

Product Name	Product Code
Elegance Zone Service Unit 1 Gas	TEC31.01.01
Elegance Zone Service Unit 2 Gas	TEC31.01.02
Elegance Zone Service Unit 3 Gas	TEC31.01.03
Elegance Zone Service Unit 4 Gas	TEC31.01.04
Elegance Zone Service Unit 5 Gas	TEC31.01.05
Elegance Zone Service Unit 6 Gas	TEC31.01.06

Optional Features

- Emergency NIST connection
- Custom cover designs according to hospital company colors





TECNOMED Zone Gas Control Units are used to monitor the pressure values of gas services in medical areas in hospitals and to cut the gas flow in emergency situations.

TECNOMED Zone Gas Control Units are manufactured in accordance with EN ISO 7396-1 and HTM 02-01 standards.

Features

- Controls 1 to 6 gases including vacuum
- Hinged cover with lock
- Separate analogue manometers for each gas
- Thanks to the window on the cover, analog manometers and digital alarms can be monitored.
- Case and cover material galvanized steel.
- Pressure slabs are made of brass material, and on-off valves are special for medical purposes.
- Flush mounted and surface mounted variants are available.
- On-off medical gas valves for each gas
- There are low pressure sensors for each gas on the unit.

Gas Services

- Oxygen
- Medical Vacuum
- Medical Air 4 bar
- Surgical Air 7 bar
- Nitrous Oxide
- Carbon Dioxide

TEC31.01	Elegance Zone Service Unit
TEC31.02	Vexillum Zone Service Unit
TEC31.03	Stainless Zone Service Unit
TEC31.04	Avsu Module Zone Service Unit
TEC31.05	Medical Gas Ball Valves
TEC31.06	Medical Gas Alarm Unit

Tecnomed Zone Control Units are designed as recessed type (flush mounted) as standard.

Application can be made with both models.

Regional control panels can be produced as 2-3-4-5 and 6 gas depending on demand.

The gas equipment used on the product varies according to the project.

TECNOMED Zone Gas Control Units are used to monitor the pressure values of gas services in medical areas in hospitals and to cut the gas flow in emergency situations.

Product "Stainless" is made of stainless steel.

TECNOMED Zone Gas Control Units are manufactured in accordance with EN ISO 7396-1 and HTM 02-01 standards.



TEC31

AREA VALVE SERVICE UNITS

Medical Gas Alarm Unit

TEC31.04

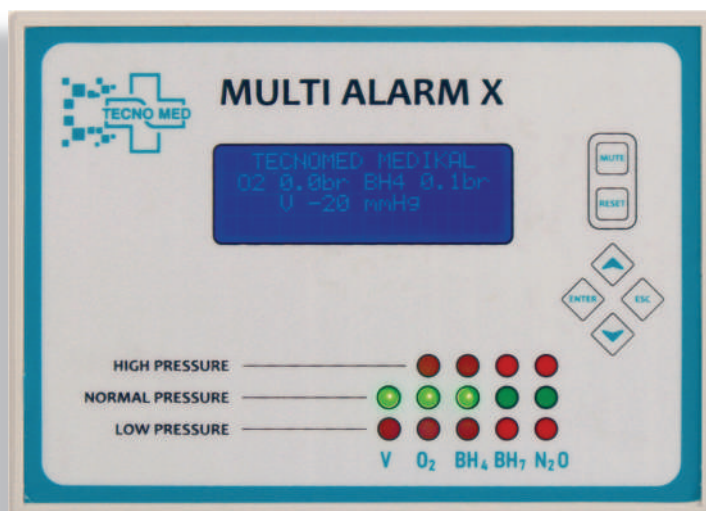
Purpose; When the pressures in the medical gas pipeline of hospitals and medical areas go beyond the limits, it gives an audible alarm and warns the user. Thanks to the LCD screen on it, pressure values can be monitored digitally. At the same time, It transmits information such as pressure values, current limit settings, alarms via the RS485/Modbus line to the automation system.

Tecnomed Medical Gas Alarm Unit is manufactured in accordance with HTM2022, HTM02-01, BS EN ISO 7396-1, TSE EN ISO 61601-2 standards.

Alarm Options

It can generate 2 separate alarms for each monitored gas;

- Low pressure alarm. This alarm is high priority. Indicates that the gases are below the critical level.
- High pressure alarm. This alarm is high priority. Indicates that the gases are above the critical level.



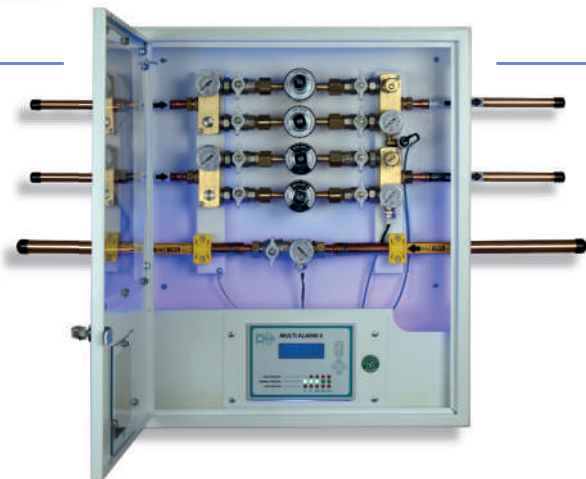
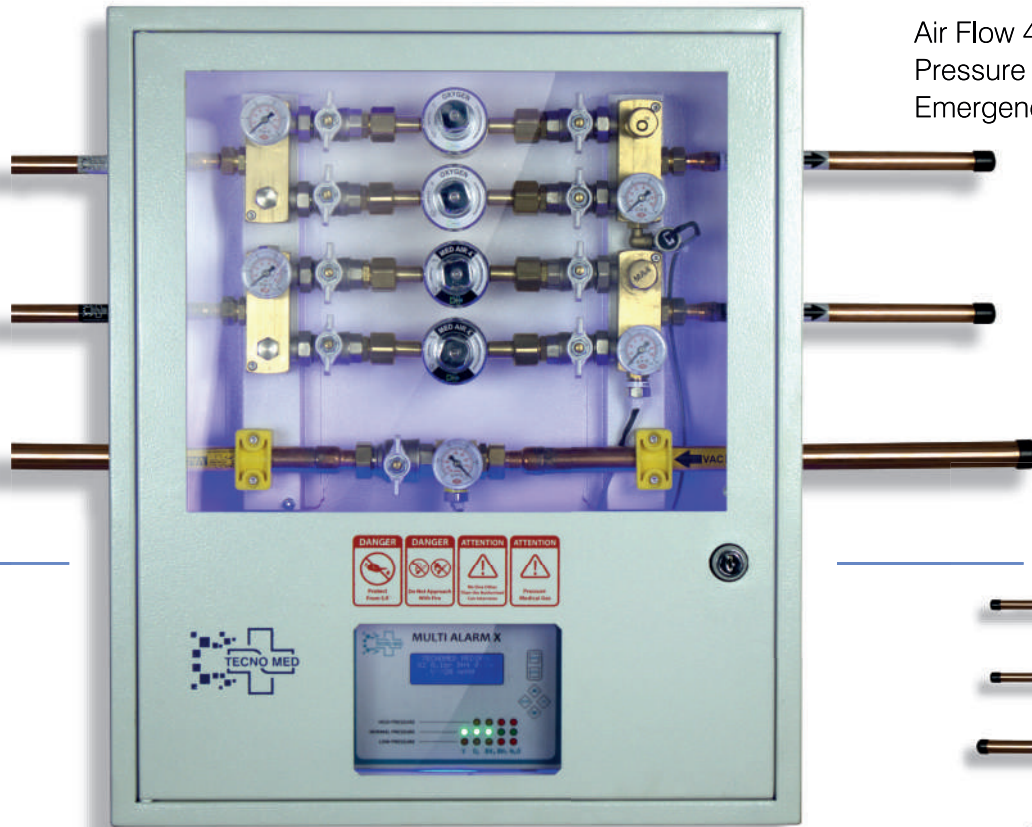
Double Stage Regulator Panel

TEC31.05

It is a compact area pressure reducing unit equipped with a double regulator system and valves used to reduce the line pressure on the floors of the hospital medical gas line to the end-use pressure through regulators. For each gas, there are double regulators made of M58 forged brass, pressure monitoring indicators, medical valve and emergency nist connection inlets. Thanks to its breakable lock system, it provides the opportunity to immediately turn off the gas valves in case of emergency. At the same time, thanks to Multi x Alarm, you will be able to see all emergency alarms and pressure values digitally.

Features

Air Flow 40 m³/h- 50 m³/h (for each gas)
Pressure Range 8 bar - 4 bar
Emergency Options; NIST, AFNOR

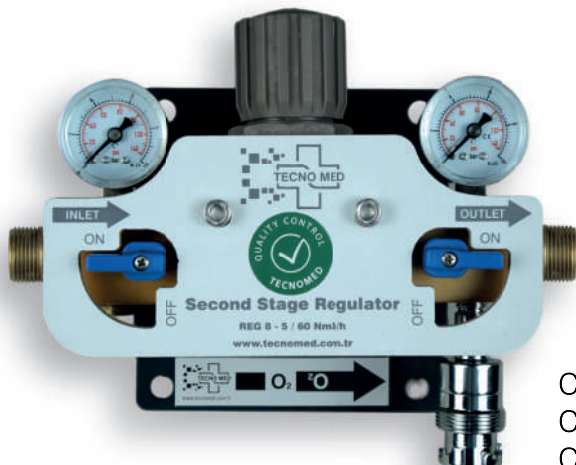


Compliant with EN ISO 7396-1 (Medical Gas Supply Systems).
Complies with EN 60601-1-2 (Electromagnetic compatibility).

Second Stage Regulator

TEC31.06

It is a pressure reducing product located on valves and manometers used to obtain the final pressure value in the medical gas line. It is used to reduce the high pressure (8 bar) coming from the hospital medical gas plant to the final pressure value of 4 bar. Emergency AFNOR gas inlet connection is available. Inlet and outlet pressures can be monitored here. It provides the opportunity to close and open the gas.



Features

Outlet – Inlet ½"
Air Flow: 40 m³/h
Max Inlet Pressure :16 bar
Pressure Range :8 bar -4 bar
Emergency Connection: AFNOR



Complies with Medical Devices Directive 93/42/EEC
Compliant with EN ISO 7396-1 (Central Gas Supply Systems)
Compliant with EN 60601-1-2 (Electromagnetic compatibility)

Medical Gas Valves

TEC31.07.XX

Tecnomed medical gas valves are produced compatible with medical gases (oxygen, vacuum, medical air) after all parts are degreased. Oxygen compatible food oil is used in the oil-free spherical part of the valves.



AREA VALVE SERVICE UNITS

norm / DN15



AREA VALVE SERVICE UNITS

norm / DN15



AREA VALVE SERVICE UNITS

norm / DN27

TEC31

AREA VALVE SERVICE UNITS

Features

- Body; brass MS 58 drop forged.
- Surfaces are sandblasted and nickel plated.
- 2 pieces of O-Ring and 2 pieces of P.T.F.E. inside the body.
- Chrome plated brass ball
- Operating pressure; 16 bars
- Operating temperature; max. 110°C
- Electrostatic painted aluminum throttle adjustment lever.
- 100% leakproofness test with electronic system
- Special oxygen compatible oil for medical gases

Applied Standards

TS EN ISO 13485 :2016
TS EN ISO 13547 :3+A1

Suitable for use with the following medical gases;

- O₂
- N₂O (Nitrous Oxide)
- O₂/N₂O
- Medical and Surgical Air
- Vacuum
- CO₂
- Helium
- Hydrogen
- Argon
- N₂ (Nitrogen)
- Mixtures of the above

Code	Size
101 - MGV	1/2" DN15
102 - MGV	3/4" DN20
103 - MGV	1" DN25
104 - MGV	1 1/4" DN32
105 - MGV	1/2" DN40
106 - MGV	2" DN50
107 - MGV	2 1/2" DN65

HTM 02-01: Health Technical Paper Medical Gas Piping Systems.

C11 NHS: Model Engineering Specification – Medical Gases.

BS EN 7396: Apparatus for Compressed Medical Gases and Vacuum.

BS EN 18082 Non-Interchangeable Threaded (NIST) Low Pressure Connectors for Medical Gases



TECNOMED medical gas outlets are gas terminal units produced in accordance with medical standards used for the passage and control of medical gases served through medical copper pipes or medical hoses. All medical gas outlets are served in use to customers for a long-lasting life time after being subjected to 100% leak test.

Gas Services

- Oxygen
- Nitrous Oxide
- Medical Air 4 bar
- Surgical Air 7 bar
- Medical Vacuum
- Carbon Dioxide
- Nitrogen

MEDICAL GAS OUTLETS

Standards

Each gas socket is produced in accordance with TSE EN ISO 13 485 medical directives. Each medical gas outlet works with different adapters.

Gas outlets suitable for adapter connections with BS 5682 specification

Gas outlets suitable for adapter connections with DIN 13260-2 specification

Gas outlets suitable for adapter connections with AFNOR NF S 90-116 specification

Certified by the notified body CE 1984.

It is produced in accordance with TSE EN ISO-737-1 and TSE EN ISO 9001:2015 quality standards.

TECNOMED medical gas outlets are divided into MC and PC.

MC model gas outlets are made entirely of brass as the main body and head.

PC model gas outlets, the lower block part is made of brass and the upper cover part is made of ABS plastic.

In all gas outlets models, every part that the gas passes through is made of brass.

Working Principle

Thanks to the check-valve system inside, the gas flow is interrupted when the upper body is removed during maintenance.

The force required for the adapter connection is calculated as 100N(Newtons) maximum and 110N(Newtons) for disassembly.

The locking mechanism of TECNOMED medical gas sockets adapters is provided by 4 stainless pins.

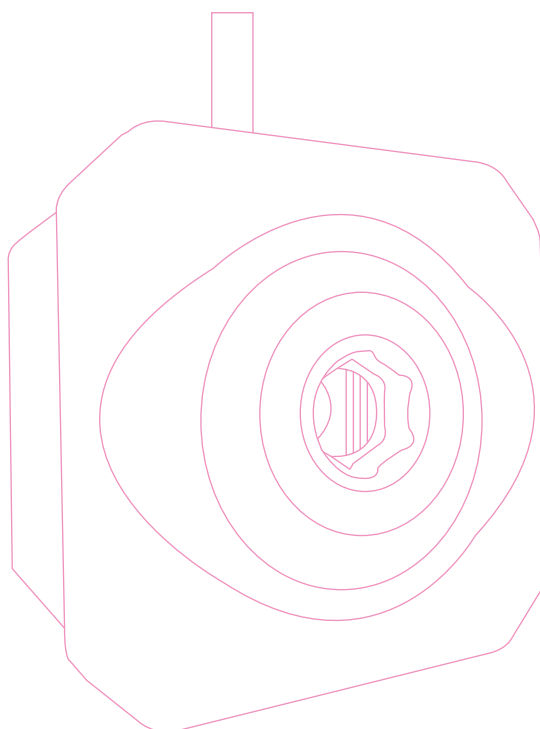
Gas Connection Options

- 45° pipe connection
- 90° pipe connection
- 45° Union Output
- Rear Union Output

Copper Pipe Connection Options

- Standard 8 mm Outlet Pipe 120 mm
- Optional 10 mm and 12 mm Outlet Pipe 120 mm

Gas outlets pipe connection outlets are closed by plugs after they are degreased in order to meet medical standards.



Features

The lower body is machined from calibrated brass and is completely degreased for medical use. The upper body is made of brass at the gas outlets of the MC model, and of ABS plastic in the PC model. Upper body is made of brass in MC model gas sockets. PC model gas sockets are made of ABS plastic. Gas separator housing, where the upper body adapter connection is made, is made of brass, nickel-free chrome plated. There is a sealing gasket between the lower body and the upper body. All internal sealing gaskets are made of silicone.

DIN 13260-2 STANDARD GAS OUTLET



Gas Services DIN 13260-2	45° Pipe Connection	90° Pipe Connection	45° Union Connection	Rear Outlet
Oxygen	TEC61.01.01.MC TEC61.01.01.PC	TEC61.01.02.MC TEC61.01.02.PC	TEC61.01.03.MC TEC61.01.03.PC	TEC61.01.04.MC TEC61.01.04.PC
Nitrous Oxide	TEC61.02.01.MC TEC61.02.01.PC	TEC61.02.02.MC TEC61.02.02.PC	TEC61.02.03.MC TEC61.02.03.PC	TEC61.02.04.MC TEC61.02.04.PC
Medical Air4	TEC61.03.01.MC TEC61.03.01.PC	TEC61.03.02.MC TEC61.03.02.PC	TEC61.03.03.MC TEC61.03.03.PC	TEC61.03.04.MC TEC61.03.04.PC
Surgical Air7	TEC61.04.01.MC TEC61.04.01.PC	TEC61.04.02.MC TEC61.04.02.PC	TEC61.04.03.MC TEC61.04.03.PC	TEC61.04.04.MC TEC61.04.04.PC
Medical Vacuum	TEC61.05.01.MC TEC61.05.01.PC	TEC61.05.02.MC TEC61.05.02.PC	TEC61.05.03.MC TEC61.05.03.PC	TEC61.05.04.MC TEC61.05.04.PC
Carbon Dioxide	TEC61.06.01.MC TEC61.06.01.PC	TEC61.06.02.MC TEC61.06.02.PC	TEC61.06.03.MC TEC61.06.03.PC	TEC61.06.04.MC TEC61.06.04.PC
Nitrogen	TEC61.07.01.MC TEC61.07.01.PC	TEC61.07.02.MC TEC61.07.02.PC	TEC61.07.03.MC TEC61.07.03.PC	TEC61.07.04.MC TEC61.07.04.PC

BS 5682 STANDARD GAS OUTLET



Gas Services BS 5682	45° Pipe Connection	90° Pipe Connection	45° Union Connection	Rear Outlet
Oxygen	TEC61.01.05.MC TEC61.01.05.PC	TEC61.01.06.MC TEC61.01.06.PC	TEC61.01.07.MC TEC61.01.07.PC	TEC61.01.08.MC TEC61.01.08.PC
Nitrous Oxide	TEC61.02.05.MC TEC61.02.05.PC	TEC61.02.06.MC TEC61.02.06.PC	TEC61.02.07.MC TEC61.02.07.PC	TEC61.02.08.MC TEC61.02.08.PC
Medical Air4	TEC61.03.05.MC TEC61.03.05.PC	TEC61.03.06.MC TEC61.03.06.PC	TEC61.03.07.MC TEC61.03.07.PC	TEC61.03.08.MC TEC61.03.08.PC
Surgical Air7	TEC61.04.05.MC TEC61.04.05.PC	TEC61.04.06.MC TEC61.04.06.PC	TEC61.04.07.MC TEC61.04.07.PC	TEC61.04.08.MC TEC61.04.08.PC
Medical Vacuum	TEC61.05.05.MC TEC61.05.05.PC	TEC61.05.06.MC TEC61.05.06.PC	TEC61.05.07.MC TEC61.05.07.PC	TEC61.05.08.MC TEC61.05.08.PC
Carbon Dioxide	TEC61.06.05.MC TEC61.06.05.PC	TEC61.06.06.MC TEC61.06.06.PC	TEC61.06.07.MC TEC61.06.07.PC	TEC61.06.08.MC TEC61.06.08.PC
Nitrogen	TEC61.07.05.MC TEC61.07.05.PC	TEC61.07.06.MC TEC61.07.06.PC	TEC61.07.07.MC TEC61.07.07.PC	TEC61.07.08.MC TEC61.07.08.PC

AFNOR STANDARD GAS OUTLET



Gas Services AFNOR NF S 90-116	45° Pipe Connection	90° Pipe Connection	45° Union Connection	Rear Outlet
Oxygen	TEC61.01.09	TEC61.01.10	TEC61.01.11	TEC61.01.12
Nitrous Oxide	TEC61.02.09	TEC61.02.10	TEC61.02.11	TEC61.02.12
Medical Air4	TEC61.03.09	TEC61.03.10	TEC61.03.11	TEC61.03.12
Surgical Air7	TEC61.04.09	TEC61.04.10	TEC61.04.11	TEC61.04.12
Medical Vacuum	TEC61.05.09	TEC61.05.10	TEC61.05.11	TEC61.05.12
Carbon Dioxide	TEC61.06.09	TEC61.06.10	TEC61.06.11	TEC61.06.12
Nitrogen	TEC61.07.09	TEC61.07.10	TEC61.07.11	TEC61.07.12



TEC61
MEDICAL GAS OUTLETS

EVA SERIES GAS OUTLET

Eva Series Gas Outlet BS	45° Pipe Connection	90° Pipe Connection	45° Unity Connection	Rear Output
Oxygen	TEC61.01.05.EV	TEC61.01.06.EV	TEC61.01.07.EV	TEC61.01.08.EV
Nitrous Oxide	TEC61.02.05.EV	TEC61.02.06.EV	TEC61.02.07.EV	TEC61.02.08.EV
Medical Air4	TEC61.03.05.EV	TEC61.03.06.EV	TEC61.03.07.EV	TEC61.03.08.EV
Surgical Air7	TEC61.04.05.EV	TEC61.04.06.EV	TEC61.04.07.EV	TEC61.04.08.EV
Medical Vacuum	TEC61.05.05.EV	TEC61.05.06.EV	TEC61.05.07.EV	TEC61.05.08.EV

Eva Series gas outlets are specially designed by Tecnomed engineers with their ergonomic operating structure and competitive price advantage. All parts of the Eva Gas outlet series, where gas passes, are manufactured from M58 forged brass raw material. Other parts are made of ABS plastic and glass fiber reinforced engineering plastics. Thanks to its wide upper head section, it can be operated easily with one finger. It was designed with ease of use for healthcare professionals and nurses in mind. Eva series gas outlets are designed according to 93/42/EEC standards.



Standards
BS 5682

Medical Gas Double Outlets

TEC61.xx.xx.DB

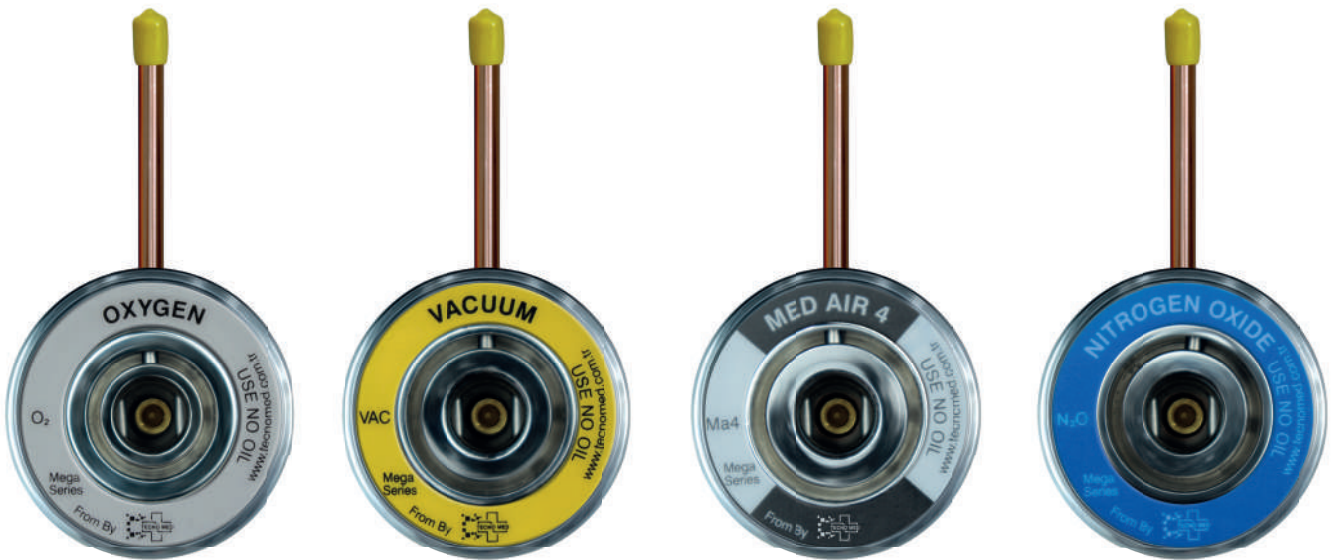


Double medical gas adapters are adapters used to obtain two gas outlets from a single gas outlet.

The product is made entirely of brass raw material. There are 2 gas sockets and interconnection wedges on the product.

The connection probe is optionally produced as DIN 13 260, BS 5682 or AFNOR.

Mega series gas outlets are specially designed by Tecnomed engineers for customers who demand superior quality and convenience. The lower body of Mega series gas outlets is made of M58 forged brass. Product components are produced entirely from raw materials such as metal (brass, stainless and aluminum) without using any plastic. For comfortable use by nurses and healthcare professionals, the operating system is designed to release the gas probe by pressing it with one finger. We provide a 5-year warranty for Mega series gas outlets by Tecnomed. MEGA series gas outlets are designed according to 93/42/EEC standards.



TEC61

MEDICAL GAS OUTLETS

Gas types;

- *Oxygen
- *Vacuum
- *Medical Air 4 bar
- *Medical Air 7 bar
- *Nitrous Oxide
- *Carbon Dioxide

Standards

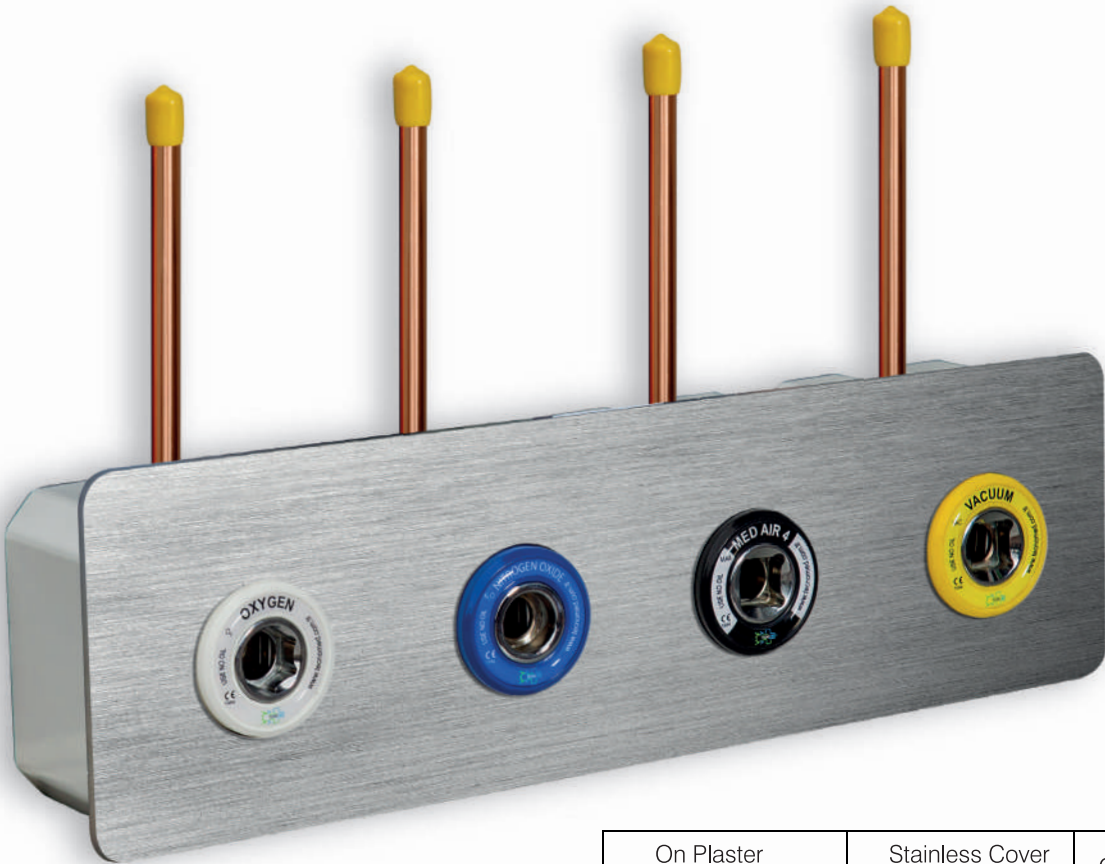
BS 5682
DIN 13260-2

Gas Services Mega Series	45° Pipe Connection	90° Pipe Connection	45° Union Connection	Rear Outlet
Oxygen	TEC61.01.09.MG	TEC61.01.10.MG	TEC61.01.11.MG	TEC61.01.12.MG
Nitrous Oxide	TEC61.02.09.MG	TEC61.02.10.MG	TEC61.02.11.MG	TEC61.02.12.MG
Medical Air 4	TEC61.03.09.MG	TEC61.03.10.MG	TEC61.03.11.MG	TEC61.03.12.MG
Surgical Air 7	TEC61.04.09.MG	TEC61.04.10.MG	TEC61.04.11.MG	TEC61.04.12.MG
Medical Vacuum	TEC61.05.09.MG	TEC61.05.10.MG	TEC61.05.11.MG	TEC61.05.12.MG
Carbon Dioxide	TEC61.06.09.MG	TEC61.06.10.MG	TEC61.06.11.MG	TEC61.06.12.MG

WALL GAS MODULE

TEC62.xx

Wall mounted gas modules are produced in various options for operating theaters, intensive care services, patient rooms and other services. Flush-mounted and surface-mounted mounting options and gas services options are available.



On Plaster Standart Cover	Stainless Cover Under Plaster	Outlet Qty
TEC62.01	TEC62.07	1
TEC62.02	TEC62.08	2
TEC62.03	TEC62.09	3
TEC62.04	TEC62.10	4
TEC62.05	TEC62.11	5
TEC62.06	TEC62.12	6

Features

- Extruded aluminum body channel
- Optional stainless cover
- Flush and surface mounting option
- 6 gas options including AGSS

Anaesthetic Gas Scavenging System

It is designed to remove the anesthetic gas mixture discharged from AGSS sockets. Single and double blower versions are available. The system is assembled on a chassis with a control panel. Blowers are oil-free and air-cooled. They provide high efficiency against continuous working conditions. Tecnomed AGSS systems are manufactured in accordance with MDD 93/42/EEC and HTM 02-01 standards.



Under Plaster Type

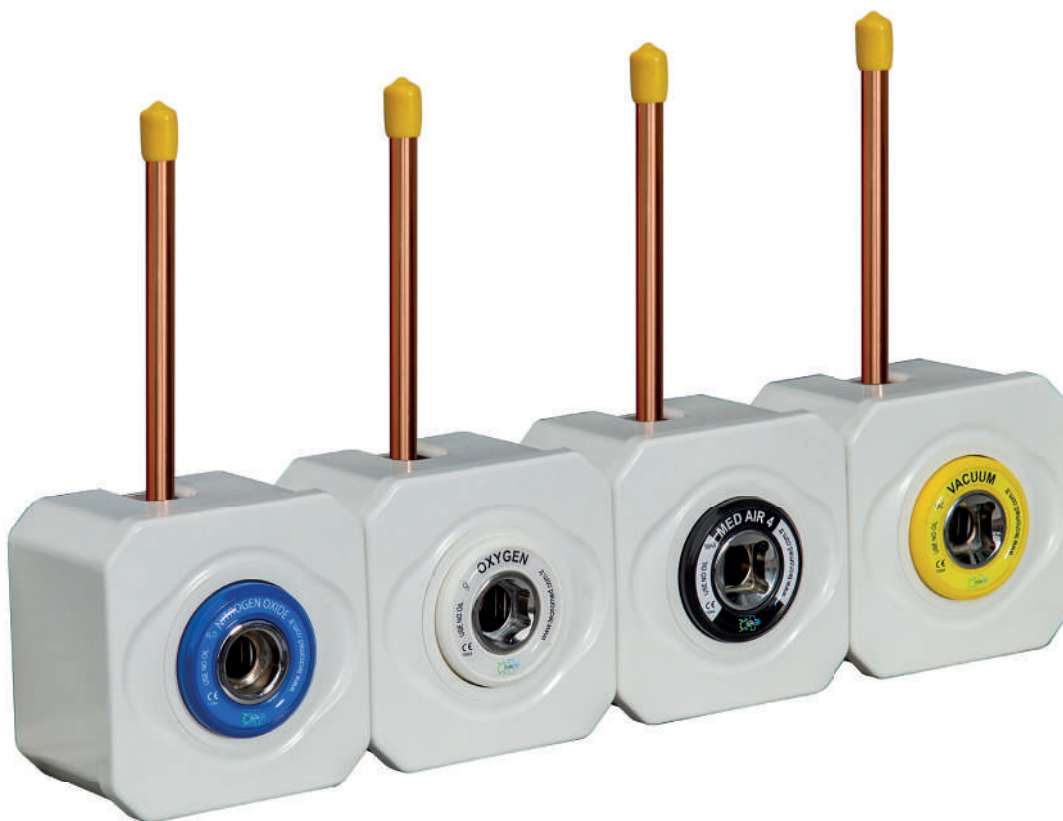


Surface Type



AGSS Probe

TECNOMED wall mount gas outlets models offer a beautiful view in patient services with their simple and elegant case design. It provides convenience to users thanks to its easy-to-install flush mounted and surface-mounted options.



TEC61

MEDICAL GAS OUTLETS

Gas Services	BS 5682	DIN 13260-2	AFNOR NF S 90-116
Oxygen	TEC61.01.BS.TU	TEC61.01.DIN.TU	TEC61.01.NF.TU
Nitrous Oxide	TEC61.02.BS.TU	TEC61.02.DIN.TU	TEC61.02.NF.TU
Medical Air4	TEC61.03.BS.TU	TEC61.03.DIN.TU	TEC61.03.NF.TU
Medical Air7	TEC61.04.BS.TU	TEC61.04.DIN.TU	TEC61.04.NF.TU
Medical Vacuum	TEC61.05.BS.TU	TEC61.05.DIN.TU	TEC61.05.NF.TU
Carbondioxide	TEC61.06.BS.TU	TEC61.06.DIN.TU	TEC61.06.NF.TU
Nitrogen	TEC61.07.BS.TU	TEC61.07.DIN.TU	TEC61.07.NF.TU



Tecnomed oxygen flowmeters are ergonomically designed in accordance with standards in order to provide oxygen flow to patients. It has precise flow rates for measurement, easy to use with its easily detachable humidification jar.

Features

- Main body brass raw material
- Bottom Jar and top humidifier polycarbonate
- 0-15 Lpm humidification capacity
- Can be sterilized at 134° autoclave.
- Bottom jar volume 200 ml



Flowmeter With Hose
TEC41.02



Twin Flowmeters
TEC41.03



Metal Flowmeter
TEC41.04

MEDICAL GAS EQUIPMENT

Flowmeter Probes Standards



Flowmeter Probe
DIN 13260-2



Flowmeter Probe
BS 5682



Flowmeter Probe
AFNOR NF S 90-116



Flowmeter Probe
AFROX SANS 1409

Oxygen regulators are used in hospitals, medical areas and ambulances to supply oxygen from cylinders directly to the patient. Emergency gas outlet, inlet manometer and outlet manometer can be selected optionally.



Oxygen Regulator
Double Gauge With
Emergency Outlet
Model-1



Oxygen Regulator
Double Gauge With
Emergency Outlet
Model-2



Oxygen Regulator
Double Gauge



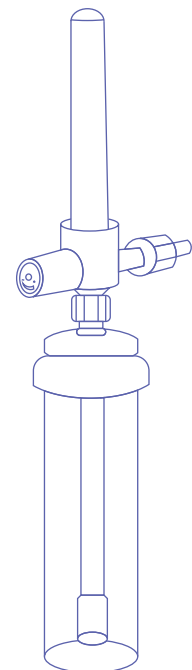
Oxygen Regulator
Single Gauge With
Emergency Outlet



Oxygen Regulator
Single Gauge

Body Material: Brass plated chrome
Maximum gas supply pressure: 250 bar
Regulator Manometer Range: 0-315 bar
Regulator Output Pressure: 16 bar > 0.2 bar

	Bull Nose (BS-341)	DIN	PIN INDEX
BS 5682	TEC41.05.01	TEC41.05.04	TEC41.05.07
DIN 13260-2	TEC41.05.02	TEC41.05.05	TEC41.05.08
AFNOR NF S 90-116	TEC41.05.03	TEC41.05.06	TEC41.05.09



Regulators Connect Standards



BullNose (BS 341)



DIN



Pin Index



They are equipment used to regulate and humidify the pressure coming from high pressure oxygen cylinders. TECNOMED oxygen therapy devices are specially designed for easy use.

- Chrome plated brass body
- High resistance polycarbonate humidifier bottle suitable for sterilization
- Maximum gas supply pressure: 230 bar
- Regulator Output Pressure: 4-5 bar
- Adjustable Flow: 0 - 15 L/min
- Pressure Display Range: 0 - 315 bar
- Sterilization Method: 121 °C



Oxygen Therapy Devices With
Emergency Outlet
TEC41.07



Dry Regulator for Ambulance TEC41.08



Regulator With Gas Outlet TEC41.09



It is the equipment used to regulate the vacuum suction amount of the hospital central system. The TECNOMED vacuum regulator offers the opportunity to regulate the suction value up to -250 mbar -1000 mbar.

Features

- On-off valve
 - Flow adjustment button
 - Suction Value Indicator
 - Chrome plated brass body
 - Min Suction -250 mbar
 - Max Suction -1000 mbar
 - Pediatric Vacuum Option
 - Optional Trump Jar (To prevent liquid leakage)
- Autoclavable.

Gas Valve with Manometer

TEC41.11

It is produced to be used as gas flow and indicator in accordance with hospital medical gas systems.

- Chrome plated brass body
- Flow adjustment knob
- Pressure or vacuum gauge
- Gas specific connection probe
- Suitable outlet for hose connection



TEC41

MEDICAL GAS EQUIPMENT

Venturi Vacuum Regulator TEC.41.12



Disposable Vacuum Jar TEC.41.13



Vacuum Jar TEC.41.14



Tecnomed gas probes are manufactured according to international standards. They are used to supply the required gases from the central system. Gas coming from terminal units to patient or medical equipment via probes It is used to transmit with hose connections.

TECNOMED gas probes are manufactured according to BS 5682:1992, DIN 13260 and AFNOR NF S 90-116 standard.



BS 5682 O₂



BS 5682 VAC



BS 5682 MA 4



BS 5682 MA 7



BS 5682 N₂O



DIN 13260-2 O₂



DIN 13260-2 VAC



DIN 13260-2 MA 4



DIN 13260-2 MA 7



DIN 13260-2 N₂O



AFNOR NF S 90-116
O₂



AFNOR NF S 90-116
VAC



AFNOR NF S 90-116
MA 4



AFNOR NF S 90-116
MA 7



AFNOR NF S 90-116
N₂O

- Specially produced for O₂, N₂O, MED AIR 4, MED AIR 7, CO₂ gases.
- Special labeling for each gas type
- Unions designed for hose connection
- It is made of chrome plated brass material.

Flat Probe



Flat output probes are available according to every standard.

Manufactured according to the most modern technologies on the current global market, in compliance with European standard EN 13348, compatible with equipment manufactured in accordance with the Medical Device Directive 93/42/EEC and the result of scientific studies and tests that guarantee the maximum compatibility.

Features

- Production of seamless in accordance with EN 13348 norms
- Closed with caps, each straight pipe produced as 5 meters.
- Medical Pipes marked, EN 13348 norm and diameter on each pipe.



Copper Pipe Fittings



Single Clamp



Double Clamp



Medical Copper Pipe

TEC41

MEDICAL GAS EQUIPMENT



GCu



M8 Tij and Washer



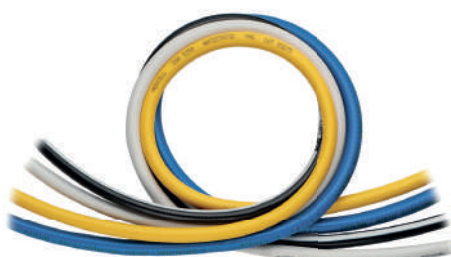
Steel Anchor - Clamp



Clamp Rail

Medical Gas Hoses

TEC41.17



- VAC
- N₂O
- MA4
- O₂

- Special hoses for medical gases
- Made of thermoplastic and material
- Color coding according to EN 739 standard
- Suitable for pressure up to 10 bar

Intertwinement Type Serum Trolley TEC81.01

Tecnomed intertwinement type transport stands are used in many clinics, as well as in patient rooms and intensive care units.

Features

Field of application	Normal Care
Material	Stainless steel
Colour of plastic parts	Blue
Bottle Holder	Stainless steel, for screw-in
Number of hooks	4
Arrangement of the hooks	90° to each other
Type of height adjustment	One-hand height adjustment
Base weight	Weighted
Base diameter	630 x 620 mm
Castors	Twin castors
Castor diameter	Ø 75 mm
Number of castors	4 with brakes and elect.
Storage	Space-saving stackable
Space-saving	52,5%
Total load capacity (kg)	8
Load capacity per system (kg)	8
Load capacity per hook (kg)	2



HOSPITAL ACCESSORIES

- Space saving thanks to smart leg structure
- Comfortable height adjustment using safe height adjustment with one hand
- Easy movement and maneuverability without getting stuck
- Up to 72% space saving compared to standard infusion stands
- Stainless steel pipes in accordance with DIN EN 10217-7



- Effective infusion care by securely hanging serum bottles and bags
- Mobile and flexible application options
- Space saving thanks to smart leg structure
- Compact design prevents loss or disassembly of individual components
- All plastic parts are resistant to sunlight
- Integrated extension limiter prevents adjustable pipes from splitting

Features

Field of application	Normal Care
Material	Stainless steel
Colour of plastic parts	Blue
Bottle Holder	Stainless steel, for screw-in
Number of hooks	4
Arrangement of the hooks	90° to each other
Type of height adjustment	One-hand height adjustment
Base weight	Weighted
Base diameter	630 x 620 mm
Castors	Twin castors
Castor diameter	Ø 75 mm
Number of castors	4 with brakes and elect.
Storage	Space-saving stackable
Space-saving	52,5%
Total load capacity (kg)	8
Load capacity per system (kg)	8
Load capacity per hook (kg)	2

- Integrated foot weight enables secure connection of various pumps and other medical devices
- Comfortable height adjustment using one-handed safe height adjustment
- Easy movement and maneuverability without getting stuck



Intertwinement Type Inspection Lamp

TEC81.03



Working Radius	800 mm
Color of light	White
Connection pin	Ø 18 mm, U 35 mm
Source of light	LED, 9W
light output	> 70.000 lux / 500 mm; 20.000 lux / 1000 mm
luminous flux	550 lm
Light field diameter D10	~ 130 / 250 mm, 500 / 1.000 mm'de
Light Color	~ 4000 ± 200K
Color rendering index Life	> 90 Ra
Lifetime	> 50.000 hours (lamps)
Input voltage	100 - 240V, 50 - 60Hz
Power button	Integrated into the transformer housing
Motion control	On/off, dimming

Intertwinement Type Acrobat Lamp

TEC81.04



Color of light	White
Connection pin	18 mm, L35 mm with
Source of light	LED, 8W
light output	Approx. 23,300 lux / 500 mm 220/425
Light field diameter D10	at 500/1,000 Approx. 4,300
Light color	Thousand
Lifetime	Up to 67,000 hours
Input voltage	220V, 50 -60Hz
Power button	Integrated into the transformer housing
Projection light	≈ 800mm
Optional	Dimmer on request / international plug / 110 Vversion

Operating Room Lamp

TEC81.05



To meet the needs posted by modern surgery and each of its disciplines, we have developed innovative solutions. The homogeneous nature of VEGA SERIES increase surgeon comfort in every place, large the operative field.

Features

- 360° Arm Rotation
- Remote Control
- Advance Touch Panel
- Easy to Operate



Intertwinement Type
Tube Carrier
TEC81.06



Intertwinement Type
Vacuum Trolley
TEC81.07



Intertwinement Type
Blood Pressure
Monitor Carrier
TEC81.08

Interior Patient Focused Signage



Our Patient-Centered signs with custom communication icons help deliver this care by improving hospital staff communication and reducing safety risks. We offer ADA compliant signage that incorporates vital patient information as well as Isolation and Precautionary Attachments. These signs are perfect for hospital patient rooms, hospital exam rooms, resident rooms in intensive care facilities, and additional healthcare locations. Our Patient-Centered Signage can also be customized to any healthcare facility's needs and preferences. It is protected by a non-reflective transparent cover, contains easily replaceable printed paper insert icon graphics, and has communicative pull tabs. The nails are available in 12 different colors and can be configured to suit wall space availability. Healthcare facilities can choose from our standard medical symbol library or provide their own custom communicative medical symbol(s) to be printed on paper inserts. Our healthcare signage experts can help you design the ideal signage system that will perform best for your specific healthcare facility needs.

Patient-Centered Signage can also be used as patient room identification signage and a communication tool for healthcare personnel, along with ADA-compliant Grade 2 Braille and tactile copy. Placed in the patient's room, our Patient-Centered Signs can be used by healthcare professionals to communicate vital patient information to each other, the patient, and/or visitors. Our paper insertion capabilities make updating signature information quick and easy. With many designs and substrate options, our Patient Centered Signage possibilities are endless.

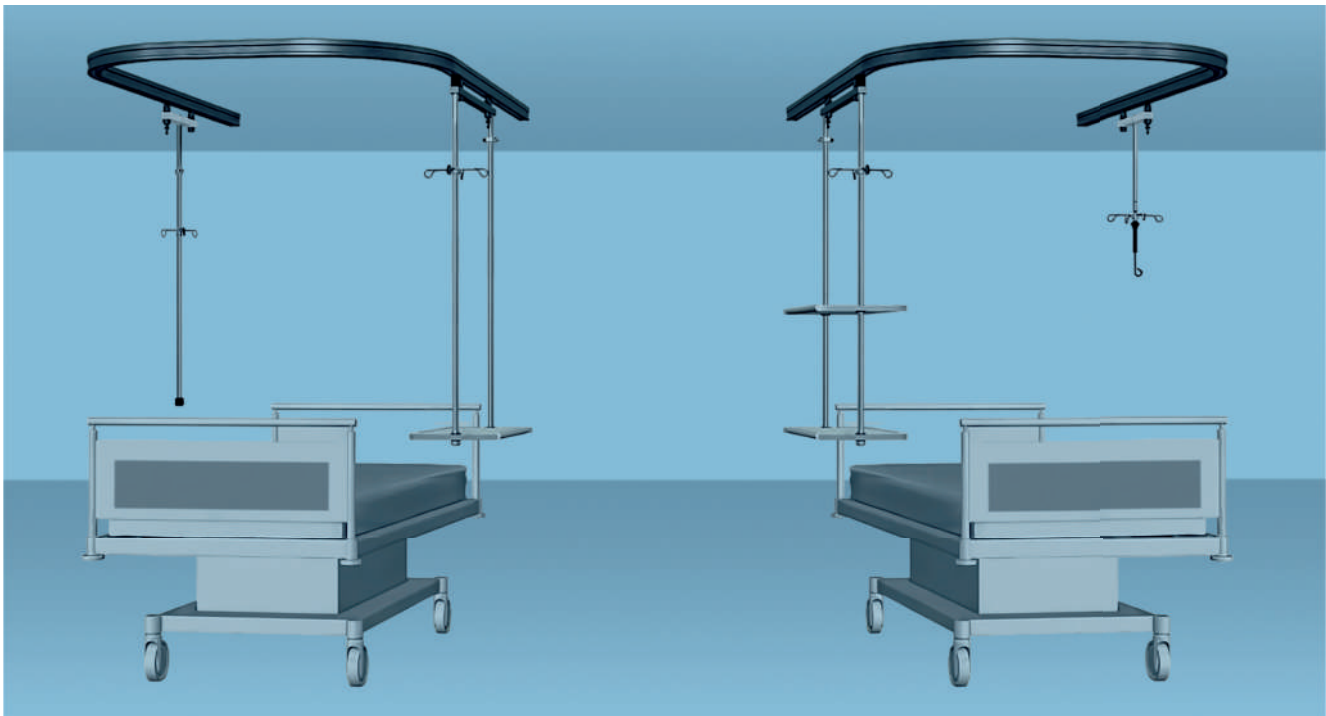


TEC81

MEDICALGAS EQUIPMENT

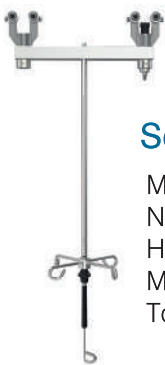
Our signs are in special boxes and all the necessary materials for assembly are available in the boxes.

Ceiling infusion systems from Tecnomed enable the attachment of medical devices and contribute to optimal patient care



Features

- Unobstructed access to the patient thanks to its high functionality
- Special designs tailored to the needs
- Maximum flexibility within the intended working area
- Flexible infusion and device management system with maximum ground clearance
- Robust, high-quality profile for high loads
- Rail can be mounted at different levels
- Maximum flexibility for maintenance personnel freedom of movement
- Optimal adaptability to every spatial situation
- Up to 100% flexibility of movement under the ceiling



Serum Carrier TEC81.20.02

Material	Stainless steel
Number of hooks	5 pieces
Height adjustment	One handed
Mechanism	8 silent bearings
Total load (kg)	15 kg

Infusion Carrier TEC81.20.03

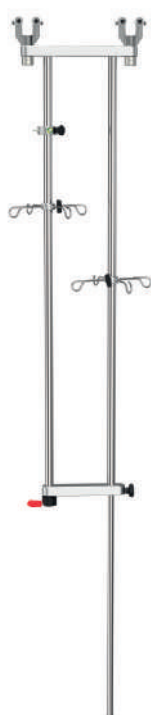
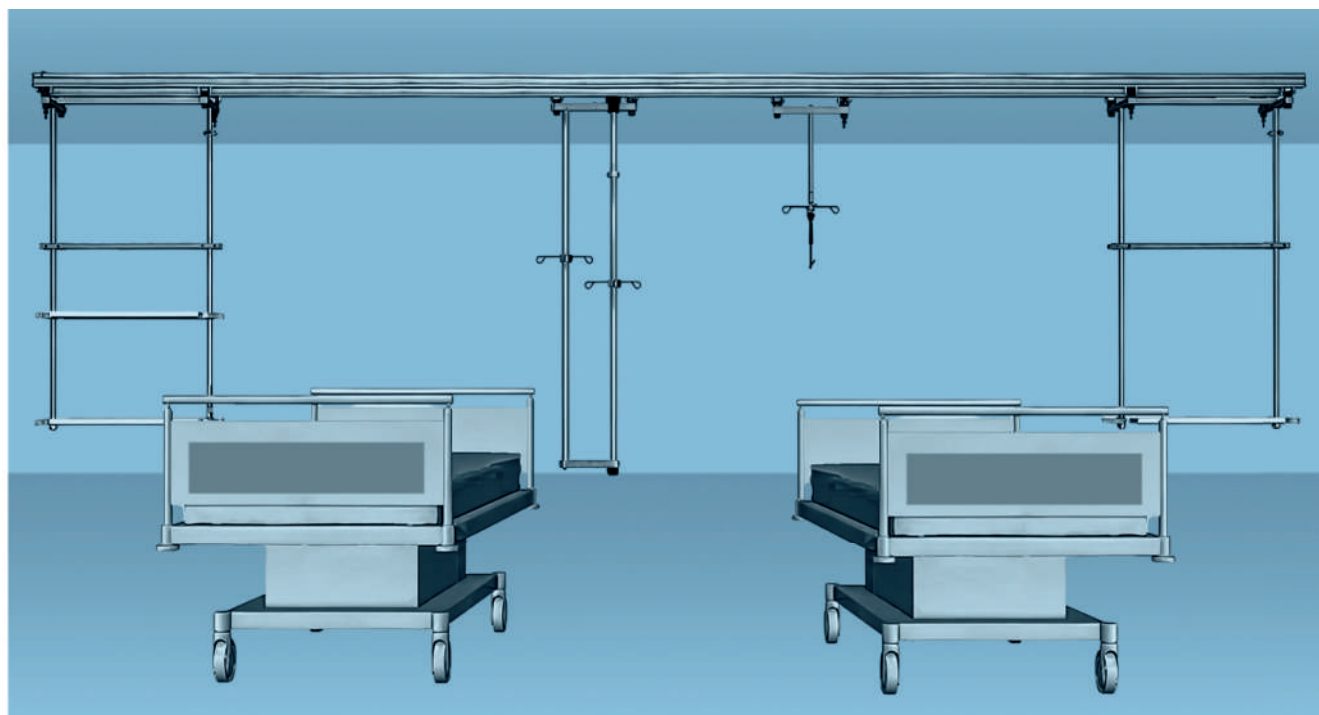
Material	Stainless steel
Pipe length	1.750 mm
Mechanism	8 Silent bearings
Serum transport	2 kg
Total load (kg)	40 kg



Uni System Hanger Rail Anodized TEC81.20.01

Material	Aluminum
Load capacity	Max 80kg/m
Profile size	57,5 mm x 47,5 mm x 5 mm
U/L/O size	Approx 2.100 mm x 1.400 mm
Special feature	Including 2 end caps and 3 connectors

Other sizes available, minimum 1,200 width determined by radius.



Dual Infusion Carrier TEC81.20.04

Material	Stainless steel
Tubing length	1.550 mm
Infusion holder	Height adjustable
Number of hooks	8 pieces (two pieces of 4)
Durability	2 kg/hook, 40kg/tripod
To store	8 silent bearings
Total load (kg)	40 kg



Monitor Carrier TEC81.30.02

Material	Anodized aluminum
Profile size	57,5 mm x 47,5 mm x 5 mm
Parallel rail length	Variable
Link rail length	2.500 mm
Total load (kg)	80 kg

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IO System Hanger TEC81.30.01

Material	Anodized aluminum
Durability	80kg / 1.000mm
Total load capacity	max. 80kg/m
Length	max. 6.000mm
Profile size	57,5 mm x 47,5 mm x 5 mm
Total load (kg)	80 kg



Nurse Call Display Screen

TEC71.01

- ABS plastic material.
- 200 Call Buttons can be defined.
- Ability to display floor, room and bed numbers in detail.
- Digital clock display
- Ability to warn incoming call with sound and light.
- Different ringtone feature for normal and emergency calls.
- 6 call indicators at the same time.
- Possibility to set separate letters and codes for each region.
- Optional reporting feature by recording the process.
- Dimensions 400 x 250 x 30 mm



Nurse Call Button

TEC71.02

- ABS plastic resistant to impacts and bumps.
- Strong range area.
- Ergonomic use and handset connection option for patients.
- Ability to "Call Reset" via button.
- Longer than 5 years of battery life with lithium battery technology.



Nurse Call Hand Set

TEC71.03

- Ergonomic design that even child patients can hold.
- Suitable for use with RJ11 locked type socket for Nurse Call Button.
- Cable length 1.40 cm spiral cable
- Fixing to the wall when the hand set is not used with the wall mounting equipment



Signal Transmitter Unit

TEC71.04

- Stylish Design.
- Complete solution for long distances with external dipole antenna.
- Data light for receiving a call.
- Complete solution for signal in high-rise buildings.

NURSE CALL SYSTEMS

For IP system nurse call and classic nurse call, please inquire the catalogue

Wc Cord Button

TEC71.05

- Suitable for use in humidity environment.
- 5 years battery life with lithium battery technology.
- Hit and impact resistance ABS plastic material.
- The phrase "PULL THE LINE IN EMERGENCY" on the unit and the Braille Alphabet under this text.
- Strong range area.
- Possibility to start via cord and end the call via button



Over Door Warning Lamp

TEC71.06

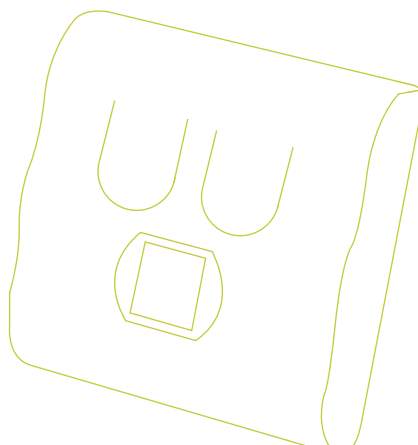
- Lots of color options in different combinations with RGB LEDs.
- Functional warning from red, blue, yellow and green warning lights.
- Shows red light until the call ends.
- It shows yellow light for calls made from WC and Bathrooms.
- In case call cancellation, possibility to keep green light for a while or possibility of adding reset button.
- Functional Blue light in different situations.



Call Recording Unit and Software

TEC71.07

- Ability to record and report nurse calls
- Specifies the date range. (Monthly Weekly Daily or optional date range)
- Possibility to print reports.
- Ability to determine the time of nurse intervention.
- Ability to define calls made from different regions, Example: Bathroom, WC, Patient Room, 1st floor etc.
- USB connection to computer.







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