

MEDICAL GAS SYSTEMS

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Tecnomed 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, 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

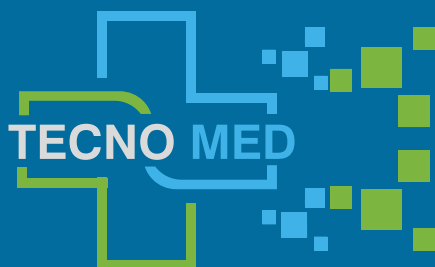
Our absolute priority is to respond all customer needs on time. We are aware of our customer who have to keep their medical equipment on service all the time.

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.

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.

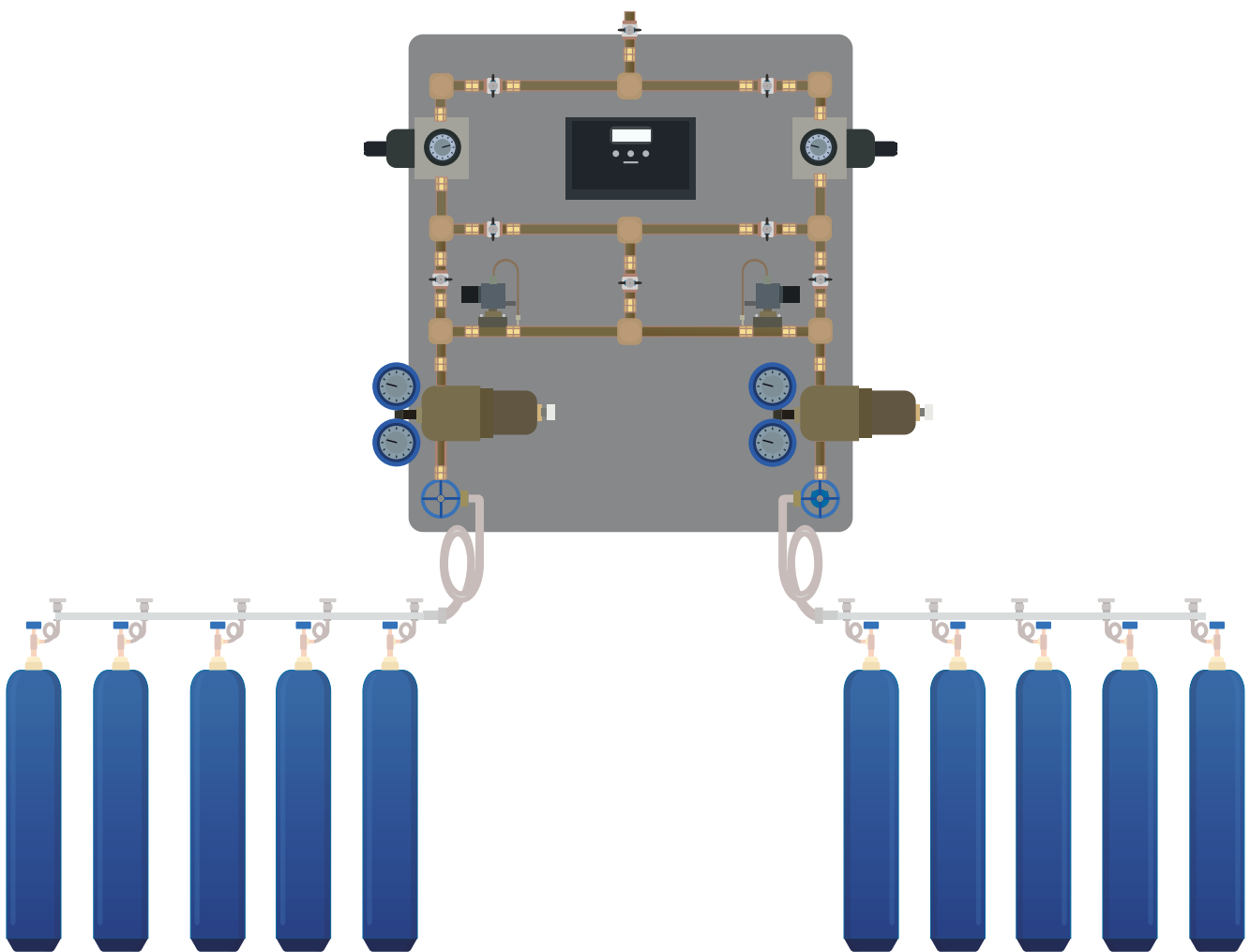
MEDICAL GAS PLANTS

Manifold Systems

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

Automatic Medical Gas Manifold Supply Unit

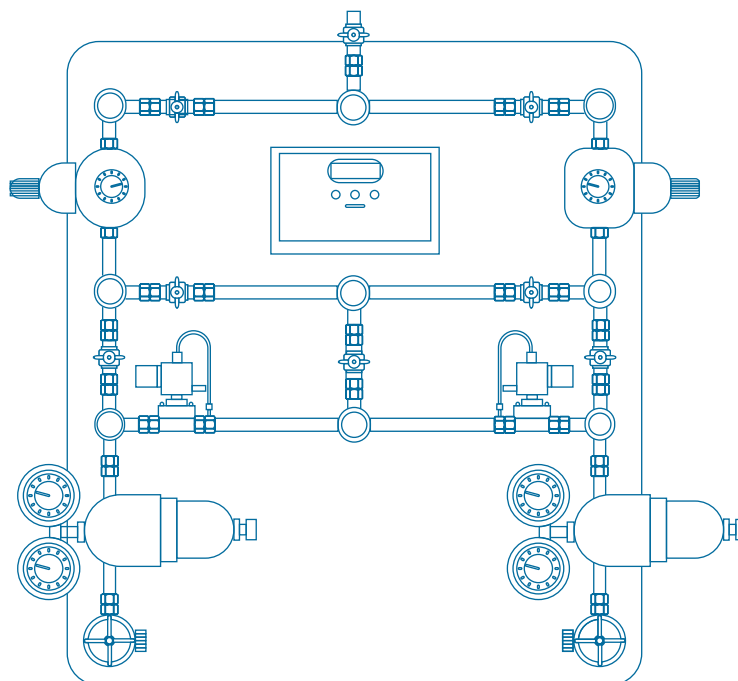
TEC51.19



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 on the unit are connected 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	¾"
Output Size	¾"
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.



Single Cylinder Ramp	TEC51.19.01
Double Cylinder Ramp	TEC51.19.02
Triple Cylinder Ramp	TEC51.19.03
Quad Cylinder Ramp	TEC51.19.04
Five Cylinder Ramp	TEC51.19.05
Six Cylinder Ramp	TEC51.19.06

Technical Specifications

Galvanized Base
Oxygen Valves
(Made of Cast Brass)
Output Connection Size ¾"

Flexible Copper Connection Pipe

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: 250 bar

Length : 1200mm

TEC51.19.07



Flexible High Pressure Hose

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

TEC51.19.08

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



Cylinder Connection Unit

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.

TEC51.19.09



Evacuation Valve

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.

TEC51.19.10



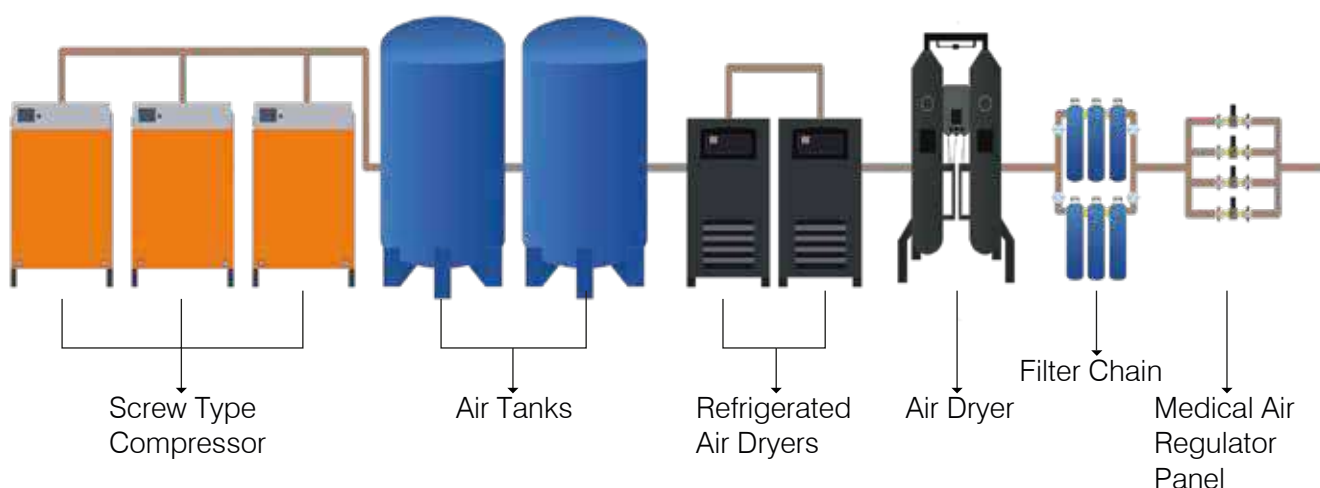
Medical Air Plant

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, chemical 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 13485 standard.



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	39.6 m ³ /h x 3	10 bar	5,5 kw 7,5 hp	500 Lt x 2	2 Set	54 m ³ /h x 2	1 piece	1 Set
TEC51.20.02	57 m ³ /h x 3	10 bar	7,5 kw 10 hp	500 Lt x 2	2 Set	72 m ³ /h x 2	1 piece	1 Set
TEC51.20.03	84 m ³ /h x 3	10 bar	11 kw 15 hp	1000 Lt x 2	2 Set	108 m ³ /h x 2	1 piece	1 Set
TEC51.20.04	123 m ³ /h x 3	10 bar	15 kw 20 hp	1000 Lt x 2	2 Set	132 m ³ /h x 2	1 piece	1 Set
TEC51.20.05	156 m ³ /h x 3	10 bar	18,5 kw 25 hp	1000 Lt x 3	2 Set	186 m ³ /h x 2	1 piece	1 Set
TEC51.20.06	180 m ³ /h x 3	10 bar	22 kw 30 hp	1000 Lt x 3	2 Set	222 m ³ /h x 2	1 piece	1 Set

The system complies with and MDD 93/42 / EEC.

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
TEC51.21.07	39,6 m³/h x 1	10 bar	5,5 kw 7,5 hp	500 Lt Horizontal	1 Set	54 m³/h x 1	1 piece	1 Set
TEC51.21.08	39,6 m³/h x 2	10 bar	5,5 kw 7,5 hp	500 Lt x 2	1 Set	54 m³/h x 2	1 piece	1 Set
TEC51.21.09	57 m³/h x 1	10 bar	5,5 kw 7,5 hp	500 Lt Horizontal	1 Set	72 m³/h x 1	1 piece	1 Set
TEC51.21.10	57 m³/h x 2	10 bar	7,5 kw 10 hp	500 Lt x 2	1 Set	72 m³/h x 2	1 piece	1 Set
TEC51.21.11	84 m³/h x 1	10 bar	11 kw 15 hp	1000 Lt Horizontal	1 Set	108 m³/h x 1	1 piece	1 Set
TEC51.21.12	84 m³/h x 2	10 bar	11 kw 15 hp	1000 Lt x 2	1 Set	108 m³/h x 2	1 piece	1 Set
TEC51.21.13	123 m³/h x 2	10 bar	15 kw 20 hp	1000 Lt x 2	1 Set	132 m³/h x 2	1 piece	1 Set
TEC51.21.14	156 m³/h x 1	10 bar	18,5 kw 25 hp	1500 Lt x 2	1 Set	186 m³/h x 1	1 piece	1 Set
TEC51.21.15	180 m³/h x 2	10 bar	22 kw 30 hp	1500 Lt x 2	1 Set	222 m³/h x 2	1 piece	1 Set

Screw Type Air Compressor

TEC51.21.SC

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



Compressed Air Tanks

TEC51.21.AT

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



Filter Group

TEC51.21.FC

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.



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

Compressed Air Dryers

TEC51.21.AD



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 chemical type.

Technical Specifications

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



Medical Air Regulator Group 4-7 Bar

TEC51.21.AR

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.



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.

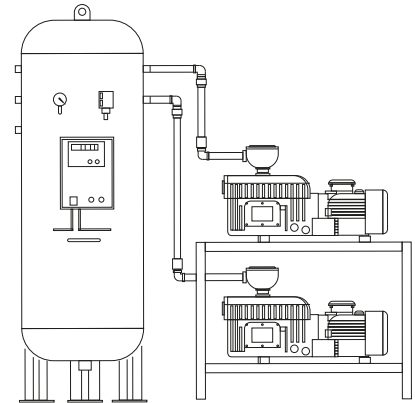


Product Code	System Capacity (m ³ /h50 hz)	Electric Motor Power Kw/50 hz	Tank Capacity	Bacteria Filter Group	Connection Equipment	PLC Control Panel
TEC51.22.01	40 m ³ /h x 3	1,1 kw	500 Lt x 2	Single Set	1 Set	1 PC
TEC51.22.02	63 m ³ /h x 3	1,5 kw	500 Lt x 2	Single Set	1 Set	1 PC
TEC51.22.03	100 m ³ /h x 3	2,2 kw	1000 Lt x 2	Single Set	1 Set	1 PC
TEC51.22.04	175 m ³ /h x 3	4 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.22.05	250 m ³ /h x 3	5,5 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.22.06	320 m ³ /h x 3	7,5 kw	1500 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 (m ³ /h x 3)	Electric Motor Power Kw/50 hz	Tank Capacity	Bacteria Filter Group	Connection Equipment	PLC Control Panel
TEC51.23.07	40 m ³ /h x 3	1,1 kw	500 Lt x 1	Single Set	1 Set	1 PC
TEC51.23.08	63 m ³ /h x 3	1,5 kw	500 Lt x 1	Single Set	1 Set	1 PC
TEC51.23.09	100 m ³ /h x 3	2,2 kw	1000 Lt x 1	Single Set	1 Set	1 PC
TEC51.23.10	175 m ³ /h x 3	4 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.23.11	250 m ³ /h x 3	5,5 kw	1000 Lt x 2	Double Set	1 Set	1 PC
TEC51.23.12	320 m ³ /h x 3	7,5 kw	1500 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 (m³/h50 hz)	Electric Motor Power Kw/50 hz	Tank Capacity	Bacteria Filter Group	Connection Equipment	PLC Control Panel
TEC51.24.13	40 m³/h x 2	1,1 kw	500 Lt	Single Set	1 Set	1 PC
TEC51.24.14	63 m³/h x 2	1,5 kw	500 Lt	Single Set	1 Set	1 PC
TEC51.24.15	100 m³/h x 2	2,2 kw	1000 Lt	Single Set	1 Set	1 PC
TEC51.24.16	175 m³/h x 2	4 kw	1000 Lt	Double Set	1 Set	1 PC
TEC51.24.17	250 m³/h x 2	5,5 kw	1000 Lt	Double Set	1 Set	1 PC
TEC51.24.18	320 m³/h x 2	7,5 kw	1500 Lt	Double 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		TEC016	TEC025	TEC040	TEC063	TEC100	TEC175	TEC250	TEC320
Rated Capacity	50 Hz - m ³ /h	16	25	40	63	100	175	250	320
Motor Power	50 Hz - kw	0,37	0,75	1,1	1,5	2,2	4,0	5,5	7,5
Motor Speed	50 Hz - d/d	1500	1500	1500	1500	1500	1500	1500	1500
Noise Level	50 Hz - db(A)	53	60	63	64	65	70	73	74
Operation Temperature	50 Hz - °C	80	80	82	84	84	82	86	88
Approximate Weight	Kg.	21	37	44	59	76	147	210	213
Vacuum Efficiency	mbar	2	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.51.25.01



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 and 1500 Lt. 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.



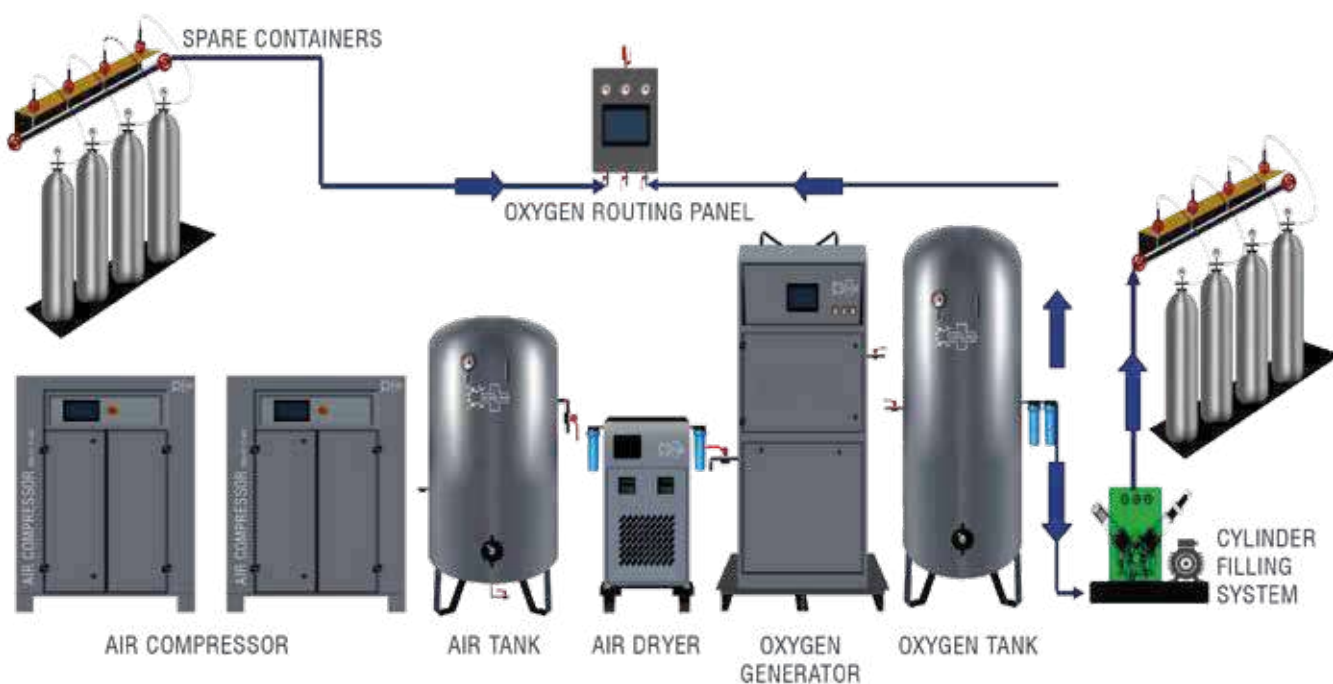
Oxygen Production System

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.51.31.17	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	50 - 100	45,6 m ³ /h - 5,5 kW	75 m ³ /h - 0,26 kW	500 lt	500 lt	Screw Type
TEC 51.30.02	100 lt - 6 m ³ /h		99 m ³ /h - 11 kW	150 m ³ /h - 0,6 kW	500 lt	500 lt	Screw Type
TEC 51.30.03	150 lt - 9 m ³ /h		150 m ³ /h - 15 kW	150 m ³ /h - 0,6 kW	750 lt	750 lt	Screw Type
TEC 51.30.04	200 lt - 12 m ³ /h	100 - 150	186 m ³ /h - 18,5 kW	216 m ³ /h - 0,79 kW	1000 lt	1000 lt	Screw Type
TEC 51.30.05	250 lt - 15 m ³ /h		216 m ³ /h - 22 kW	324 m ³ /h - 1 kW	1000 lt	1000 lt	Screw Type
TEC 51.30.06	300 lt - 18 m ³ /h		216 m ³ /h - 22 kW	324 m ³ /h - 1 kW	1000 lt	1000 lt	Screw Type
TEC 51.30.07	350 lt - 21 m ³ /h		315,6 m ³ /h - 30 kW	390 m ³ /h - 1,2 kW	1000 lt	1000 lt	Screw Type
TEC 51.30.08	400 lt - 24 m ³ /h	150 - 200	315,6 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		379,8 m ³ /h - 37 kW	462 m ³ /h - 1,44 kW	1000 lt	1000 lt	Screw Type
TEC 51.30.10	600 lt - 36 m ³ /h		456,6 m ³ /h - 45 kW	600 m ³ /h - 1,8 kW	1000 lt	1000 lt	Screw Type
TEC 51.30.11	700 lt - 42 m ³ /h	200 - 250	558 m ³ /h - 55 kW	720 m ³ /h - 2 kW	2000 lt	2000 lt	Screw Type
TEC 51.30.12	800 lt - 48 m ³ /h		558 m ³ /h - 55 kW	720 m ³ /h - 2 kW	2000 lt	2000 lt	Screw Type
TEC 51.30.13	900 lt - 54 m ³ /h	250 - 300	742,8 m ³ /h - 75 kW	900 m ³ /h - 2,6 kW	2000 lt	2000 lt	Screw Type
TEC 51.30.14	1000 lt - 60 m ³ /h		742,8 m ³ /h - 75 kW	900 m ³ /h - 2,6 kW	3000 lt	3000 lt	Screw Type
TEC 51.30.15	1100 lt - 66 m ³ /h		742,8 m ³ /h - 75 kW	900 m ³ /h - 2,6 kW	3000 lt	3000 lt	Screw Type
TEC 51.30.16	1200 lt - 72 m ³ /h	300+	978 m ³ /h - 90 kW	1080 m ³ /h - 3,5 kW	3000 lt	3000 lt	Screw Type
TEC 51.30.17	1300 lt - 78 m ³ /h		978 m ³ /h - 90 kW	1080 m ³ /h - 3,5 kW	3000 lt	3000 lt	Screw Type
TEC 51.30.18	1400 lt - 84 m ³ /h		1110 m ³ /h - 110 kW	1440 m ³ /h - 3,9 kW	3000 lt	3000 lt	Screw Type
TEC 51.30.19	1500 lt - 90 m ³ /h		1110 m ³ /h - 110 kW	1440 m ³ /h - 3,9 kW	5000 lt	5000 lt	Screw Type
TEC 51.30.20	1600 lt - 96 m ³ /h		1110 m ³ /h - 110 kW	1440 m ³ /h - 3,9 kW	5000 lt	5000 lt	Screw Type
TEC 51.30.21	1700 lt - 102 m ³ /h		1428 m ³ /h - 132 kW	1800 m ³ /h - 4,45 kW	5000 lt	5000 lt	Screw Type
TEC 51.30.22	1800 lt - 108 m ³ /h		1428 m ³ /h - 132 kW	1800 m ³ /h - 4,45 kW	5000 lt	5000 lt	Screw Type
TEC 51.30.23	1900 lt - 114 m ³ /h		1428 m ³ /h - 132 kW	1800 m ³ /h - 4,45 kW	5000 lt	5000 lt	Screw Type
TEC 51.30.24	2000 lt - 120 m ³ /h		1428 m ³ /h - 132 kW	1800 m ³ /h - 4,45 kW	5000 lt	5000 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.

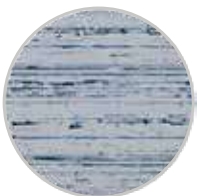
PATIENT BED HEAD UNITS



Carbon Series



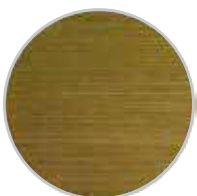
Stone Series



Wood Series

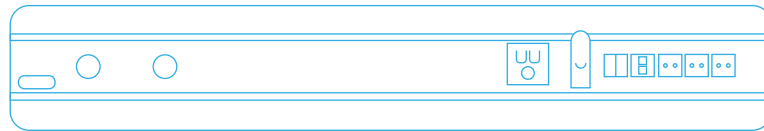


Gold Series



"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
- Bottom Reading Lighting – 1 Piece Led
- Upper Room Lighting – 1 Led
- Double Switch Group
- Nurse Call Provision (Optional)
- Medical Gas Outlets – DIN-BS-AF

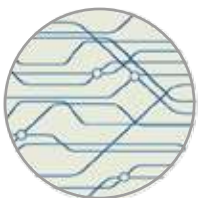
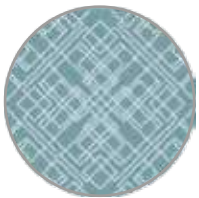
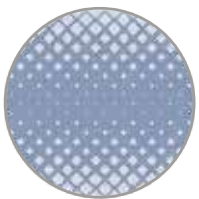
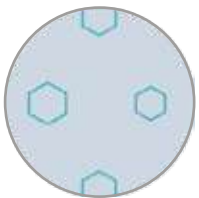
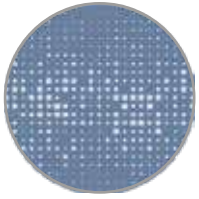
Optional Features

- 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."



Graphic Printed Applications





TEC11

BED HEAD UNITS

Twin Bead Head Unit

TEC.11.02

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
- 2 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 Series Bed Head Units

UNIQUE



All Options

- Touch Control Panel
- Illuminated front cover
- Control Hand Remote
- Lighting Adjustment (Dimmer)
- Visual Lighting with Diffuser
- Unit Cover UV Printer Printouts
- Special Designs for Pediatric Services
- 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

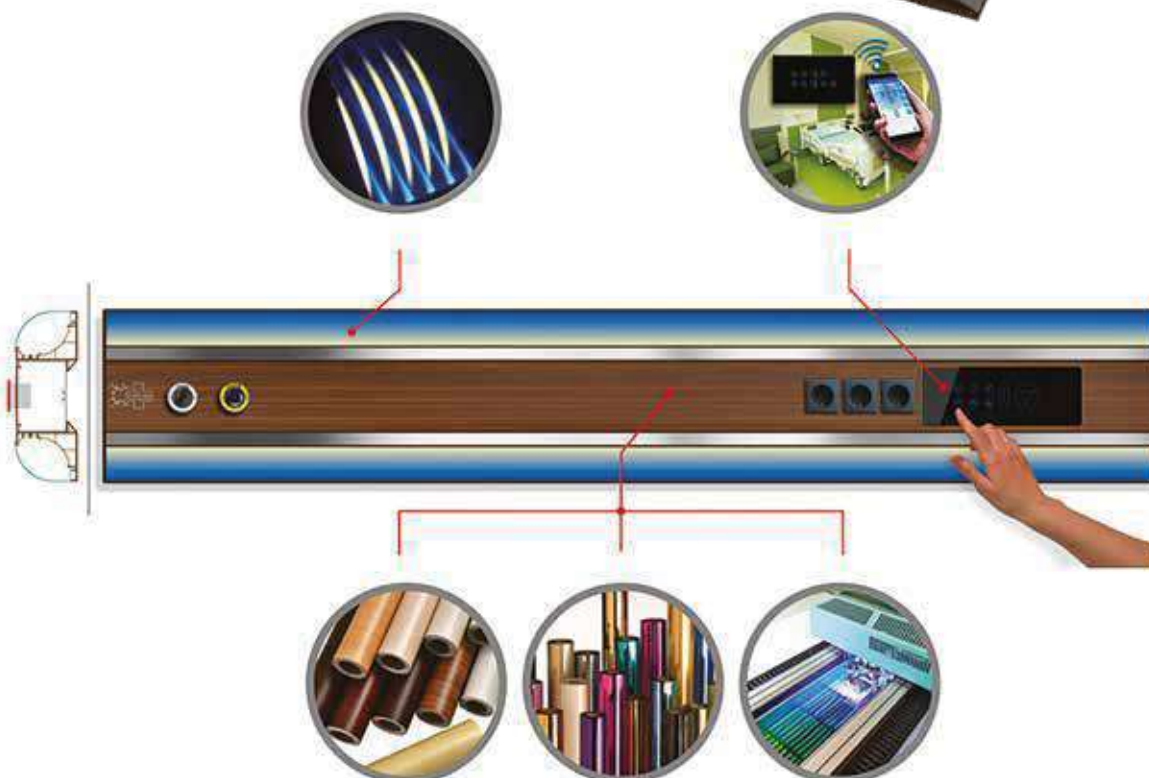
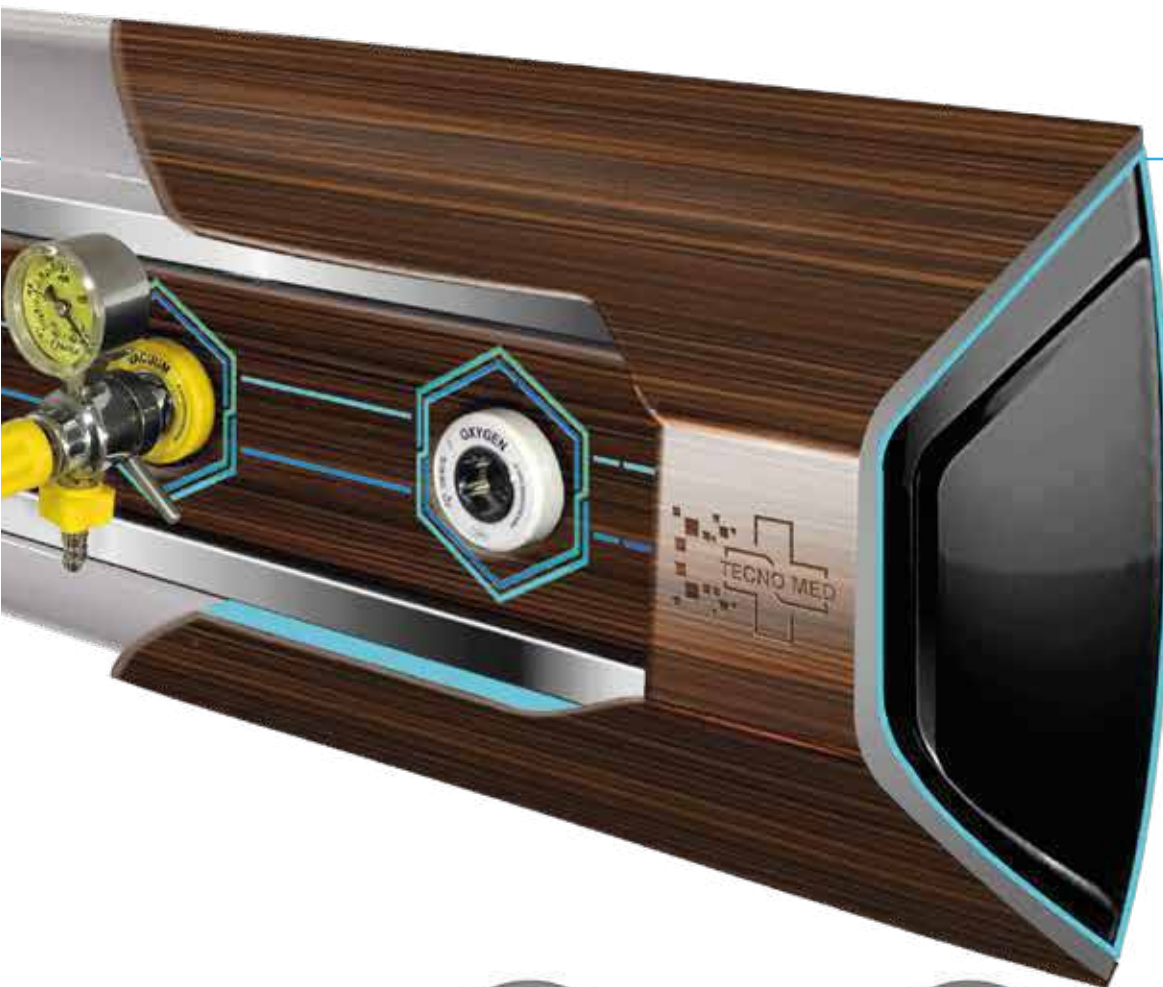


Tecnomed offers opportunities to recreate the patient room for you with its highly talented designers and engineers. This product is specially produced for each customer and hospital. All designs and productions are made specifically for the hospital. This wall system, prepared for your VIP rooms, offers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

Exclusive 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



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



Vexillum Intensive Care Unit TEC.11.04



Trio Intensive Care Unit TEC.11.06

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.

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.

TEC11

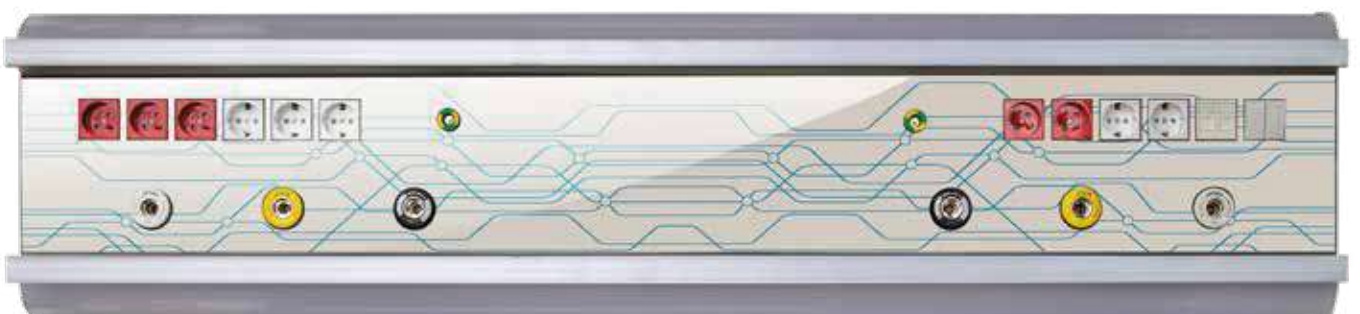
BED HEAD UNITS



Flash Intensive Care Unit TEC.11.05



Flash Intensive Care Unit TEC.11.05

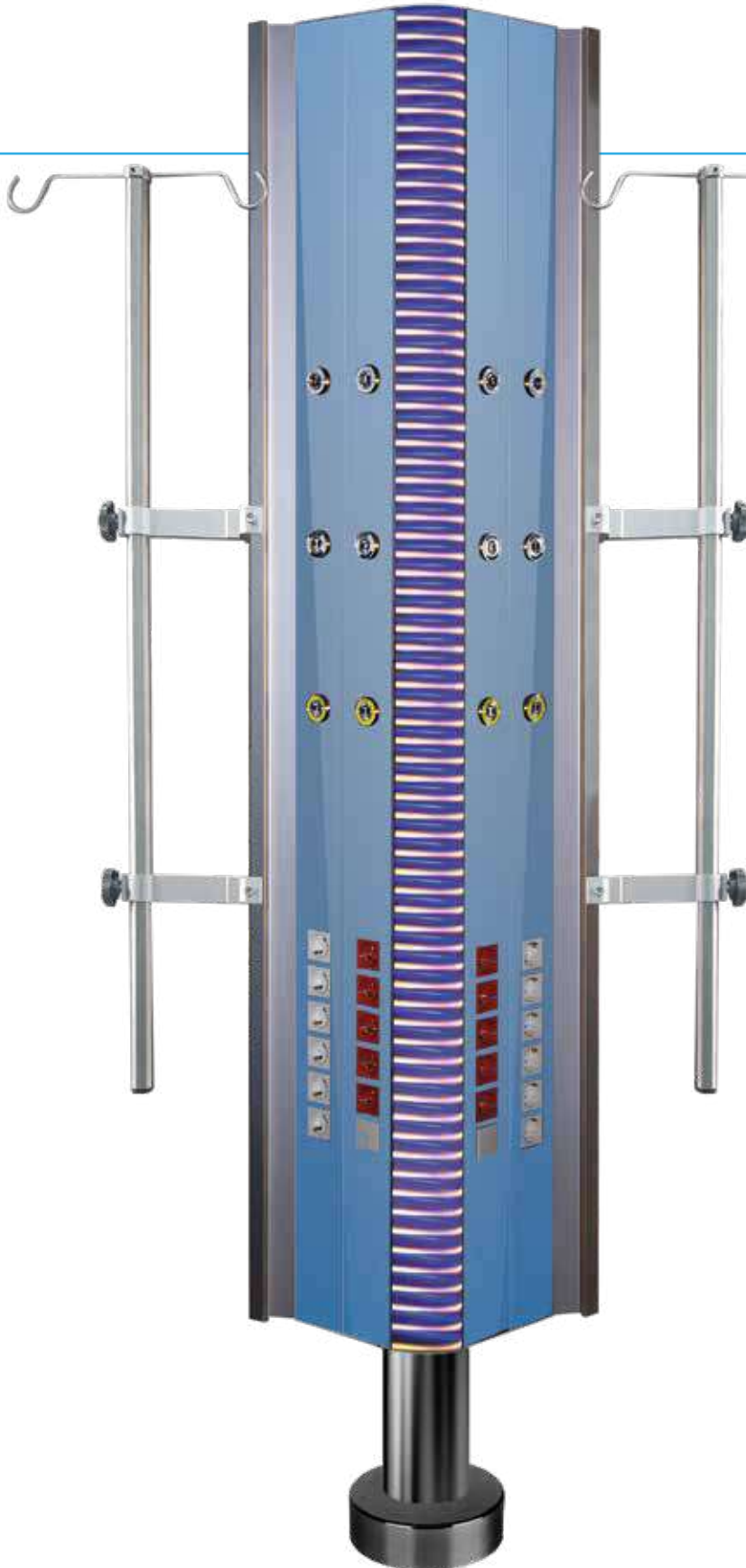


Flash Intensive Care Unit TEC.11.05

Trigon Intensive Care Units, with their triangle-like structure, are designed to serve two patients at the same time in intensive care units. There is lighting in the middle of the unit that extends from the floor to the ceiling. It is designed to provide easiness to healthcare workers with its wide structure and ergonomic design. Tecnomed Intensive Care Units are manufactured in accordance with EN 11197 standards.

Standard Accessories

- Electrical Sockets (Mains) 16 Pieces DIN-UK-USA
- Electrical Sockets (UPS) 16 Pieces DIN-UK-USA
- Grounding Point 8 Pieces
- Data Sockets 2 Pieces
- Middle Lighting 2 LEDs
- Double Switch Group
- Nurse Call Provision (Optional)
- Medical Gas Sockets – DIN-BS-AF (Optional)



TEC11

BED HEAD UNITS



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.

Standard Accessories

- Electrical Sockets (Mains) 16 Pieces DIN-UK-USA
- Electrical Sockets (UPS) 16 Pieces DIN-UK-USA
- Grounding Point 8 Pieces
- Data Sockets 2 Pieces
- Middle Lighting 2 LEDs
- Double Switch Group
- Nurse Call Provision (Optional)
- Medical Gas Sockets – DIN-BS-AF (Optional)

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 bed head units are manufactured in accordance with EN 11197 standards.

TEC12.01



Monitor Stand

TEC12.02



Infusion Pump and Serum Rail Type

TEC12.03



Intensive Care Basket



Equipment Groups

Infusion pump and Perfuser
Stand

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

Technical Specifications

Unit Dimensions: 270x2000x88
(WidthxLengthxHeight)

Carrying Capacity: 50 kg

Color: Ral Catalog

Electricity: 220V – 50 Hz

- 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



TEC12.04



Monitor Stand-Rail Mounted

TEC12.05



Monitor Stand with Basket

TEC12.06



Serum Rail Type

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 (RJ45)
- Pressure gauge for Medical Gases
- Medical gas outlets (BS, DIN, AF)

Features

- Up to 90 kg load carrying capacity
- 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**

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



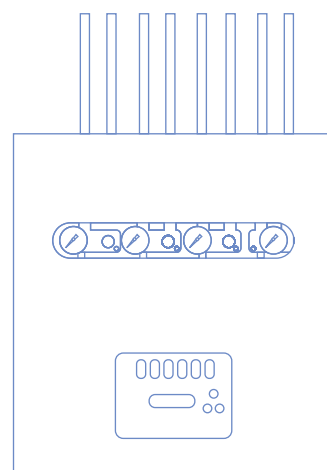
Gas Services

- 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 power socket
- Custom cover designs according to hospital company colors



Zone Control Unit

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.



Vexillum TEC31.02



Stainless TEC31.03

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 stainless steel 304 chrome
- 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.

Avsu Modul Zone Service Unit

TEC31.04

TECNOMED Avsu Module Zone Gas Control Units are used for monitoring the pressure values of gas services in medical areas in hospitals, pressure regulation and interruption of gas flow in emergency situations or for emergency gas supplies.

Features

- Controls 1 to 6 gases including vacuum
- Cover with mechanism that can be opened upward with piston and lock
- Separate regulators and valves for each gas
- Thanks to the window on the cover, analog manometers and digital alarms can be monitored.
- Emergency supply nist inlets and By-Pass line
- There are low pressure sensors for each gas on the unit.

Medical Gas Ball Valves

TEC31.05

It is specially produced for medical gas systems compatible with oxygen.

- Optional lock option
- Easy connection for medical copper piping
- 100% tightness EPDM gasket
- Ergonomic on-off handle



TEC31

AREA VALVE SERVICE UNITS

Medical Gas Alarm Unit

TEC31.06

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.



TECNOMED medical gas sockets 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
- nitrogen 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 sockets suitable for adapter connections with BS 5682 specification

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

Gas sockets 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 sockets are divided into MC and PC.

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

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

In all gas socket 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

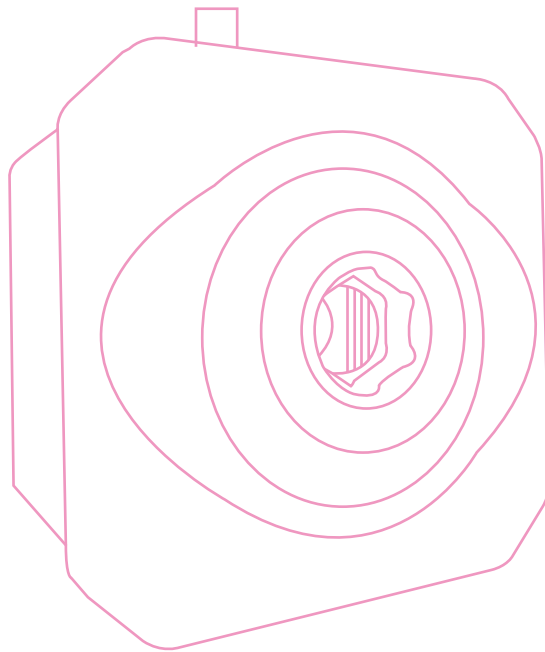
- 45° pipe connection
- 90° pipe connection
- 45° Union Output
- Rear Union Output

Copper Pipe Connection Options

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



Gas Socket 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 NORM GAS OUTLET



Gas Services DIN 1326-6	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
Nitrogen 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
Carbondioxide	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 NORM GAS OUTLET



Gas Services BS	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
Nitrogen 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
Carbondioxide	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

AF NORM 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
Nitrogen Oxide	TEC61.02.09	TEC61.02.10	TEC61.02.11	TEC61.02.12
Medical Air ⁴	TEC61.03.09	TEC61.03.10	TEC61.03.11	TEC61.03.12
Surgical Air ⁷	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
Carbondioxide	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

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.



Features

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

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

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.

TEC51.29



Terminal Gas Outlets

TECNOMED wall mount gas socket 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
Nitrogen 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 in 134° autoclave.
- Bottom jar volume 200 ml



Flowmeter With Hose TEC.41.02



Twin Flowmeters TEC.41.03

MEDICAL GAS EQUIPMENT



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.

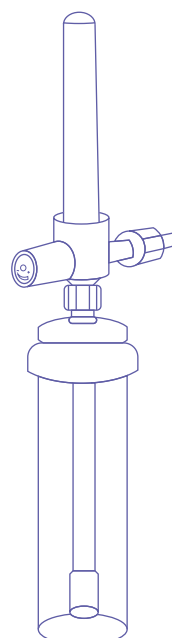
- Chrome plated brass body
- High resistance polycarbonate humidifier bottle suitable for sterilization
- Maximum gas supply pressure: 230 bar
- Regulator Output Pressure: 4-5 bar
- Adjustable Flow: 0 - 15 L/min
- Pressure Display Range: 0 - 315 bar
- Sterilization Method: 121 °C



Regulator With Gas Outlet TEC41.05



Flowmeter With Regulator for Ambulance TEC41.06





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 Probes

TEC41.08



TECNOMED gas jacks 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.



- Specially produced for O₂, N₂O, MED AIR4, MED AIR7, CO₂ gases.
- Special labeling for each gas type
- Unions designed for hose connection
- It is made of chrome plated brass material.



Venturi Vacuum Regulator TEC.41.09



Disposable Vacuum Jar TEC.41.10



Vacuum Jar TEC.41.11

Gas Valve with Manometer

TEC41.12

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



Medical Copper Pipe and Mounted Equipment

TEC41.13

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.



Medical Copper Pipe



Copper Pipe Fittings



GCu



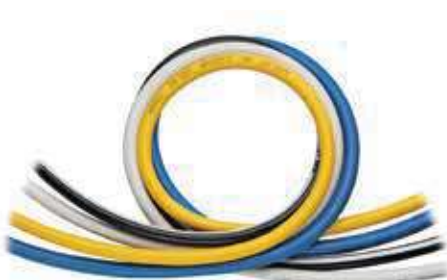
Assembly Equipment

TEC41

MEDICAL GAS EQUIPMENT

Medical Gas Hoses

TEC41.14



- 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

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

- 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



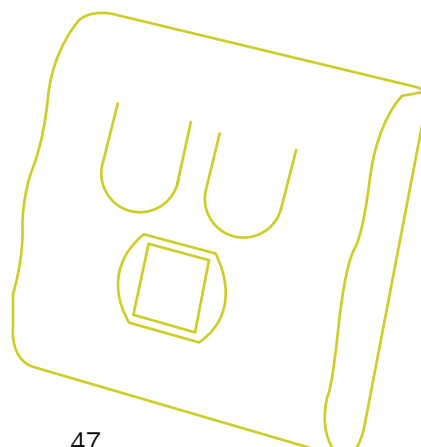
Over Door Warning Lamp

- 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.



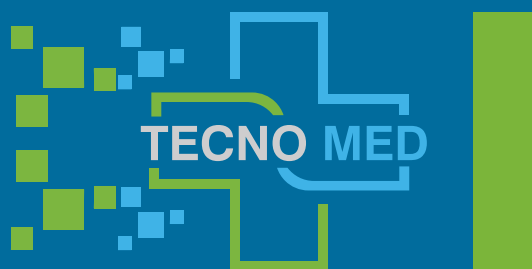
Call Recording Unit and Software

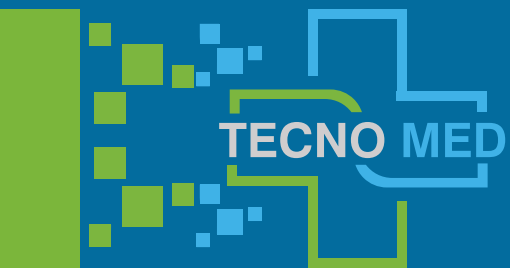
- Ability to record and report nurse calls
- Specifies the date range. (Monthly Weekly Daily or optional date range)
- Possibility to print reports.
- Ability to determine the time of nurse intervention.
- Ability to define calls made from different regions, Example: Bathroom, WC, Patient Room, 1st floor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





Notes ;





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