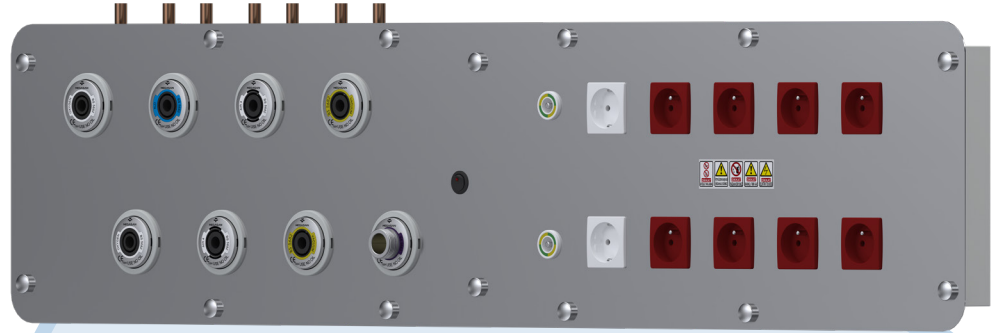




MEGASAN

Gas Modules

Maintenance and Operating Manual



Model

MG-GM_{xy}-z-t Gas Modules

- x: HA (Aluminum), S (DKP), P (Stainless)
y: 1,2,3,4,5,6,7 gazlı
z: S (Standard), E (Electric)
t: SU (Surface Mounted), SA (Flush Mounted)



Product Brand and Model

Gas Modules

Manufacturer / Exporter Company

Megasan Medikal Gaz Sistemleri Tıbbi Alet ve Cihazlar A.Ş

Head Office: Cumhuriyet Mah. Zafer İş Hanı No:33/411 Merkez 18100 TR Çankırı

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Warranty Period

2 Years

Economic Life

10 Years

Version Table

Version Table			

FOREWORD

This guide is prepared to provide basic information to users seeking knowledge about Gas Modules, offering general insights into the use of these products. It is designed to meet the informational needs of users who require fundamental understanding of Gas Modules.

Dear Customers,

We would like to express our gratitude for the interest and trust you have shown in our company and products. Our Gas Modules, chosen by you, are presented to you with an extensive service network and the assurance of Megasan.

Please ensure that you validate the warranty certificate with your seller. Any tampering with the serial numbers on the warranty certificate or the absence of serial numbers on the product renders the warranty void. The seller is obligated to accurately fill out the warranty certificate during the sales process. In cases where the warranty certificate is not fully completed, the starting date of the warranty period is considered as the date of dispatch from Megasan.

During the warranty period, service operations will be carried out by the authorized dealer/technical service specified in the warranty certificate.

The following situations are not covered by the warranty, and the repair of these faults will be done at a cost:

Malfunctions caused by the misuse of the product contrary to the instructions in the user manual.

Damages and faults resulting from natural disasters, fire, accidents, and improper use of the product.

This guide in your hands will assist you in installing and using the system. We hope you enjoy using our products and remain satisfied with them.

With respect,





Gas Modules comply with the interface criteria published by the Ministry of Health of the Republic of Turkey.

Gas Modules operate in full compatibility with International Gas Systems.

IMPORTANT

- > The lifespan of the system you have purchased is 10 years.
- > Megasan provides a warranty for the purchased product for a period of years from the delivery date.
- > The WARRANTY CERTIFICATE is provided within the product.
- > The list of AUTHORIZED SELLERS and DEALERS is provided together.
- > Please validate your Warranty Certificate with your seller.
- > In the event of a malfunction, the product should only be repaired by an authorized technician. Any interventions made by unauthorized individuals render the product out of warranty coverage.
- > Please have the installation and routine maintenance of your system performed by the specified authorized seller and authorized technical service.



ATTENTION

Gas Modules must meet the following conditions to prevent any adverse effects on you and the environment:

- >Do not open the box outside of authorized service. Do not approach with fire.
- >Avoid any contact with oil.
- >Do not immerse Gas Modules in water. This action renders the product warranty void.

LEGAL DISCLAIMER

Megasan Medical Gas Systems Gas Modules, when used outside of the provided features and applications or contrary to the usage instructions, will not hold **Megasan Medical Gas Systems Medical Devices and Equipment Inc.** responsible for any material damage, loss of life, or similar situations that may arise. The buyer acknowledges and declares awareness of this warning upon purchase.”

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1. Important Notes

- Before using the Gas Modules, please read this manual.
- Maintain the temperature of the environment where the Gas Modules is located within a range of +10 °C as a minimum and +40 °C as a maximum. Freezing may occur outside these temperature values, and malfunctions resulting from freezing will not be covered by the warranty.
- Be careful not to let the Gas Modules come into contact with oil and oil mist.
- Do not disassemble any parts of the Gas Modules. Avoid making any changes to the Gas Modules. Clean the Gas Modules by rubbing it with a clean, dry cloth, or use a cleaning solution. Do not use chemical liquids, aerosol cleaners, or flammable liquids (such as thinner, gas oil, etc.) for cleaning.
- Be cautious to keep oxygen or oxygen providers away from sources of ignition, heat, or electrical switches.
- Gas Modules usage should only be performed by individuals who have received proper training. Before use, check the connections and ensure there are no leaks.
- If the Gas Modules piping or connected equipment is not working normally, do not use it and contact your seller. Remove all protective covers before installation.

2. Economic Life and Reason

- Due to the fact that medical devices generally undergo technological innovation in the range of 6-10 years, a new medical device may be better in terms of functionality, efficiency, reliability than older devices. Therefore probability of medical devices having new technology to provide better experiences in patient treatment may be higher.
- Medical devices may have to be replaced with updated medical device versions for maintaining compliance with quality and safety standards which are specified by health authorities and regulatory institutions.
- Maintenance activities should be made periodically for medical device to work with same performance continuously. Since 5% of annual cost of product will return within 3-5 years, 10% of annual cost will return in 5-10 years, and 20% of product cost will return as maintenance cost; there may be need for supplying new product at the end of this period.
- The parts used on the device wear out and get old over time, which leads to the supply of spare parts. The supply of spare parts for old devices may become difficult in the future. Our company commits to supply provide spare parts for “ Vacuum regulators” it produces for 10 years.
- Economic life of product is determined as 10 years due to reasons we explained above.

3. Intended Use

Gas modules are auxiliary equipment for treatment where several electrical fixtures are present in addition to delivering the medical gas.

This unit intends to facilitate the use work including electrical equipment and gas outlet which can be required by patient in areas such as patient room, intensive care surgical room in health centers.

They are auxiliary equipment for the treatment of patients thanks to the medical gas infrastructure it has on it.

They are auxiliary equipment that forms the infrastructure for electrically powered devices that can be used in the treatment of patients thanks to the electrical sockets they have on them.

4. Product Control

- Read this manual before using. When you do not understand any explanation in this manual, contact with your dealer before use.
- Once you purchase the product open its package and check whether it is damaged. If any malfunction appears, do not use the product and take the necessary steps to return it.

5. Accessories

No accessories have been defined for the gas modules.

6. Cleaning and Sterilization Instructions

You can clean gas units by wiping or rubbing them with a clean cloth moistened with alcohol-based cleaning solution, provided that you are away from electrical equipment.

7. MAINTENANCE INSTRUCTIONS - PERIODS

Following Maintenance periods and operations to be done should be followed for using the unit properly.

Description	Period	MG-GMAY-S-SU MG-GMSy-S-t MG-GMPy-S-t	MG-GMAY-E-SU MG-GMSy-E-t MG-GMPy-E-t	Responsible
External Cleaning With Appropriate Disinfectant	1 Day	X	X	Authorized Personnel
External Control-Electrical Enclosures	1 Month		X	Authorized Personnel
External Control- Gas, External Enclosures	1 Month	X	X	Authorized Personnel
Internal Control-Cable, Electrical Equipment	3 Months		X	Authorized Service
Internal Control-Hoses And Gas Equipment	3 Months	X	X	Authorized Service

- For the repair of gas modules, please read this manual carefully and contact the manufacturer Megasan Medical Gas Systems or the specified service representatives and ask for help.
- Since the use of the gas modules may directly affect human health in case of incorrect repair and installation of intensive care units, it will be dangerous for unauthorized persons and organizations to engage in repair work in case of malfunction, and the authorized companies and the manufacturer Megasan Medikal Gas System will not be responsible for any negativities that may occur.
- For the case of failure do not intervene unit without authorities given to personnel in section 7.2 of Possible Problems and Solutions..

There is no set maintenance period for gas modules. It is sufficient to follow the cleaning and usage instructions in order for the product to work healthily throughout its service life..

The cleaning process of gas modules by sterilization is described in Chapter 6.

Problems that may be encountered are described in the possible repair problems and solutions section.

A list of spare parts that may malfunction or be replaced during maintenance is specified for gas modules.

7.1. Spare Parts List

Product Name	Stock Code	Part Name	Unit	Amount
Aluminum	PLP-ABS-006338	Single Parapet Termination Cover	Quantity	2
	PLP-ABS-000407	Medical Gas Outlet Ring	Quantity	1-7
Aluminum Electric	PLP-ABS-006338	Single Parapet Termination Cover	Quantity	2
	PLP-ABS-000407	Medical Gas Outlet Ring	Quantity	1
	PLP-PC-000523	Double Arm (Intensive Care Unit)	Quantity	1-10
	TOP-T	Grounding Node	Quantity	2
	HP-EM-PR-005523	0-1 Mini AGSS Switch	Quantity	1
		Electrical Outlets	Quantity	
Stainless DKP	PLP-ABS-000407	Medical Gas Outlet Ring	Quantity	1-7
	GMX-Y-21	Cap Nut	Quantity	4
Stainless Steel DKP Electric	PLP-ABS-000407	Medical Gas Outlet Ring	Quantity	1-7
	GMX-Y-21	Cap Nut	Quantity	4
	YOYY-29-PK	Parapet Junction Box Short	Quantity	1-10
	TOP-T	Grounding Node	Quantity	2
	HP-EM-PR-005523	0-1 Mini AGSS Switch	Quantity	1
		Electrical Outlets	Quantity	1-10

7.2. Possible Problems and Solutions

Problem	Detail Of Problem	Possible Reason	What Should Be Done	The Person In Charge
There is no power to the electrical outlets	There is no electricity in the outlets	There is a disconnect in the electrical input terminal of the unit	Fix the breakage	Authorized Personnel
		There is a disconnection in the socket inlet connection	Fix the breakage	Authorized Personnel
		Power outages or circuit breakers are tripped	Set the circuit breaker	Authorized Personnel
Gas outlets do not work	There is not enough or no gas consumption from gas outlets	There is a leak in the internal connections of the patient bedside unit	Review the connections	Authorized Personnel
		There is a gas leak in the part where the unit is connected to the installation	Review the connections	Authorized Personnel
		Valves connected to the medical gas line are closed	Open the valves	Authorized Personnel
		There are leaks in gas outlets	Contact the seller company	Authorized Personnel

8. Carrying And Transportation

- The product is wrapped in rough nylon before shipment.
- The product is shipped in pieces due to the fact that it takes up a lot of space in total and weighs too much.
- The parts are shipped on pallets or at the end of the crating process.

9. SAFETY TIPS AND POINTS TO CONSIDER DURING USE

	Be careful. Consider the warning and directives regarding product.
	Do not remove any part of product, do not attempt to replace part.
	Due to fact that inhaling oxygen gas more than need is harmful for human health, it should not be forgotten that it will harm the persons inhaling oxygen gas in case of leakage.
	It should not be forgotten that inhaling nitrogen gas has anesthetic effect and it may have fatal effects for the persons in the area where they are used in leakage case.
	Since gas modules are manufactured on metal construction, recycling of products that have completed their service life can be provided as scrap. It does not contain any components harmful to human health.
	Do not approach with fire at the points where oxygen is used. Fire can cause explosions and may lead flames become greater together with oxygen
	Do not smoke at the points where oxygen is used. Fire can cause explosions and may lead flames become greater together with oxygen

	Do not use with oil in an oxygen-containing environment.
	Read the user manual carefully. (The User Manual must be read fully and clearly in order for the product to work healthily throughout its service life and to prevent accidents caused by the product directly or indirectly)
	The Protective Grounding connection of the device must be made. WARNING : Since patient bedside units are Class I electrical medical equipment, “ , this equipment can only be connected to a supply network together with protective grounding to eliminate the risk of electric shock.”
	The ground line of the equipotential grounding node on the unit must definitely be separate.
	The Electrical Safety Class of the Device is TYPE B.
	Anesthesia-resistant gas may be present on the unit.
	The device's electrical safety class is IP00. The unit enclosure does not have protection against water. The device enclosure prevents user access to hazardous areas and the entry of foreign objects into the device.
220-240 V ~AC / 50-60 Hz	The device's electricity supply is AC 220-240 V and it operates on a 50-60 Hz power grid.
	Protect devices containing oxygen from temperatures below - 20 ° C and above +50 ° C.
	We recommend using the device under standard atmospheric conditions (pressure = 1 atm, temperature = 20-22 °C)
	Make sure that the humidity of the environment where the device is used is between 30% and 60% to prevent bacterial infection,.
	Prevent water contact with the gas modules. This invalidates the product warranty.

10. Patient Population

Gas Modules are designed for general use. Patient Rooms are designed to benefit all patients receiving treatment in areas such as examination, intervention and emergency departments. They are designed not for a specific patient group, but in terms of the area in which they will be used..

11. Indications

Considering the intended use of gas modules, they serve as infrastructure for electricity, medical gas and other equipment in patient treatment. Considering this situation, specialist which carries out the treatment specifies the types of diseases they will be used. .

12. Contraindications

Gas Modules do not directly function as therapeutic equipment; therefore, it cannot be specified where they cannot be used.

13. Side Effects

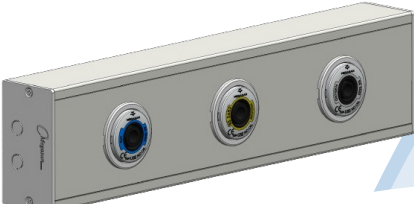
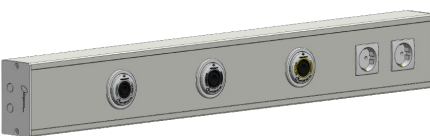
Since Gas Modules are not direct therapeutic equipment, there is no definition related to their side effects.

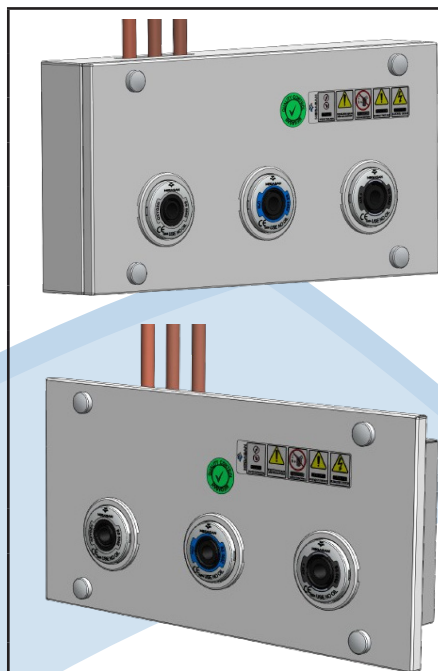
14. Differences Between Models and Their Features – Product Pictures – Technical Specifications

Gas module units are units in which various electrical fixtures can be installed in addition to providing medical gas infrastructure to patients.

Systems which are produced with different models and specifications are shaped completely according administrative and users preference.

- The products are cleaned after checks.
- It is covered with stretch film (wrapped).
- The product is placed in cardboard boxes against impacts and taped so that it will not scatter and get dust.
- Trademark is present on product box and product information is available inside.

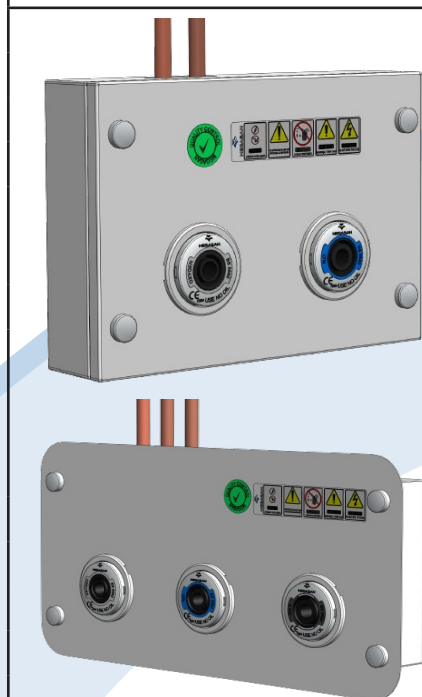
PRODUCT IMAGES	DIFFERENCES - FEATURES							
	Product Code : MG-GMAy-S-SU (y: 1,2,3,4,5,6,7) Product Name : Gas Module - Aluminum Product Body : Aluminum Product Cover : Aluminum Product Right-Left Cover : Plastic Gas Equipment : 1-7 gas sockets can be placed. O ₂ , V, MA4, N ₂ O, MA7, CO ₂ , AGSS outlets can be Installed. The product is designed only as a "Surface Mounted".							
	MODEL	MG-GMA1-S-SU	MG-GMA2-S-SU	MG-GMA3-S-SU	MG-GMA4-S-SU	MG-GMA5-S-SU	MG-GMA6-S-SU	MG-GMA7-S-SU
	Length (mm)	210	360	510	660	810	960	1110
	Width (mm)	66	66	66	66	66	66	66
	Height (mm)	120	120	120	120	120	120	120
	Weight (kg)	0.7	1.2	1.7	2.2	2.7	3.2	3.7
	Product Code : MG-GMAy-E-SU (y: 1,2,3,4,5,6,7) Product Name : Gas Module - Aluminum - Elektric Product Body : Aluminum Product Cover : Aluminum Product Right-Left Cover : Plastic Gas Equipment : 1-7 gas sockets can be placed. O ₂ , V, MA4, N ₂ O, MA7, CO ₂ , AGSS outlets can be Installed. A fireproof silicone cable with a thickness of 2.5 mm ² is used in the power line inside the unit. The number of electrical outlets to be installed on the unit may vary. The unit dimensions will vary according to the number of gas sockets and electrical sockets to be installed on it. The product is designed only as a "Surface Mounted".							



Product Code : MG-GMSy-S-t (y: 1,2,3,4,5,6,7)
 Product Name : Gaz Module– DKP Sheet
 Product Body : DKP Sheet
 Product Cover : DKP Sheet
 Gas Equipment : 1-7 gas sockets can be placed.
 O2,V,MA4,N2O,MA7,CO2, AGSS outlets can be Installed

The product is designed as SURFACE MOUNTED and FLUSH MOUNTED.

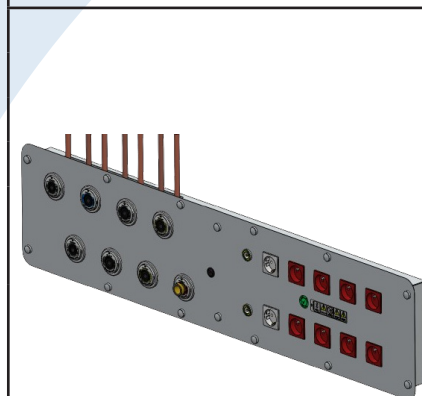
MODEL	MG-GMS1-S-t	MG-GMS2-S-t	MG-GMS3-S-t	MG-GMS4-S-t	MG-GMS5-S-t	MG-GMS6-S-t	MG-GMS7-S-t
Length (mm)	169	291	408	530	651	770	890
Width (mm)	66	66	66	66	66	66	66
Height (mm)	201	201	201	201	201	201	201
Weight (kg) Surface mounted	1,6	2,5	4	4,9	5,5	6,5	7,4
Weight (kg) Flush mounted	1,5	2,4	3,7	4,5	5,3	6,3	7,2



Product Code : MG-GMPy-S-t (y: 1,2,3,4,5,6,7)
 Product Name : Gas Module - Stainless Steel Sheet
 Product Body : DKP Sheet
 Product Cover : Stainless Steel Sheet
 Gas Equipment : 1-7 gas sockets can be placed.
 O2,V,MA4,N2O,MA7,CO2, AGSS outlets can be Installed

The product is designed as SURFACE MOUNTED and FLUSH MOUNTED.

MODEL	MG-GMP1-S-t	MG-GMP2-S-t	MG-GMP3-S-t	MG-GMP4-S-t	MG-GMP5-S-t	MG-GMP6-S-t	MG-GMP7-S-t
Length (mm)	169	291	408	530	651	770	890
Width (mm)	66	66	66	66	66	66	66
Height (mm)	201	201	201	201	201	201	201
Weight (kg) Surface mounted	1,1	2,6	4,2	5	5,7	6,8	7,7
Weight (kg) Flush mounted	1,6	2,5	3,9	4,7	5,5	6,5	7,5

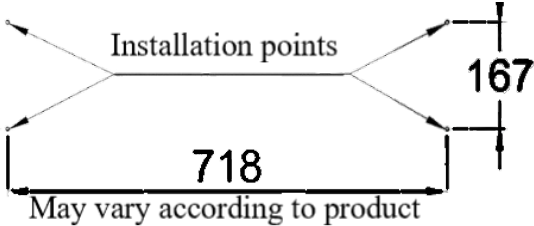
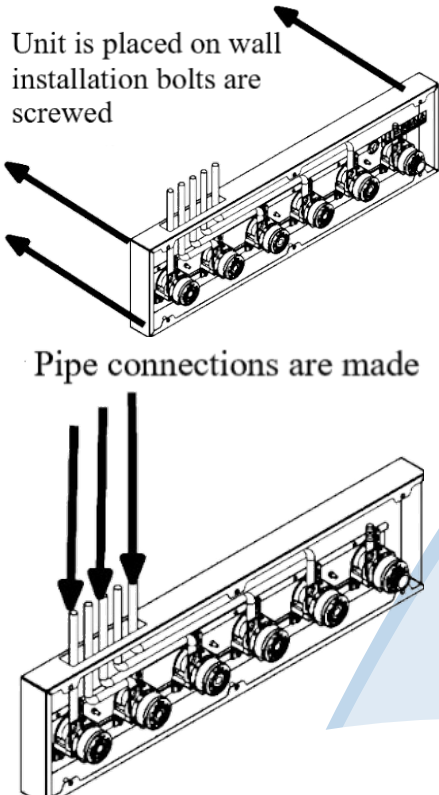
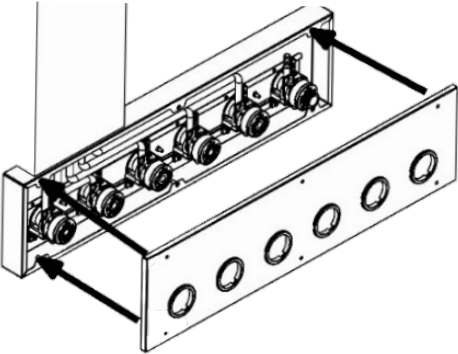
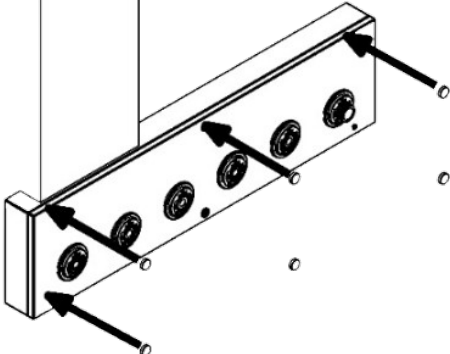


Product Code : MG-GMPy-S-t (y: 1,2,3,4,5,6,7)
 Product Name : Gas Module - Stainless Steel Sheet
 Product Body : DKP Sheet
 Product Cover : Stainless Steel Sheet
 Gas Equipment : 1-7 gas sockets can be placed.
 O2,V,MA4,N2O,MA7,CO2, AGSS outlets can be Installed

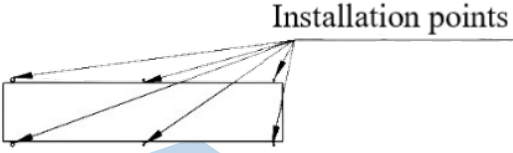
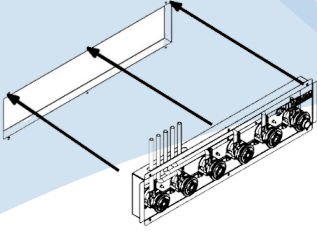
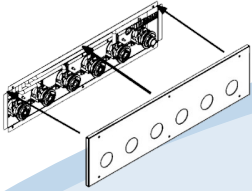
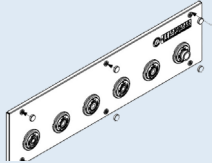
Between 1-10 Electrical Sockets can be installed.
 Between 1-4 Grounding Nodes can be installed.
 The waste gas discharge remote operation switch can be installed.
 A fireproof silicone cable with a thickness of 2.5 mm² is used in the power line inside the unit.
 The unit lengths and weights will differ according to the gas and electricity detail to be installed on it.
 The product is designed as SURFACE MOUNTED and "FLUSH MOUNTED".

15. Connection - Installation and Working Principle

15.1 Installation of Surface Mounted Units

 Installation points 718 167 May vary according to product	• The unit is lifted to the height and position at the place where it will be installed according to the user's request. • During the production of the unit, a mounting hole with a diameter of 6 mm was drilled to allow it to be easily mounted on the wall. According to these dimensions, holes with a diameter of 7 mm and a depth of 50 mm are drilled for the dowels on the wall. • 8mm dowels are placed in the drilled holes.
 Unit is placed on wall installation bolts are screwed Pipe connections are made	• After the dowels are installed, the dowel holes and the holes of the gas module are centered and the unit is fixed to the wall by installing a wood screw by the gas module. • The medical gas inlet of the unit is connected to the silver source by a copper pipeline drawn separately for the gas module from the building installation. • 220VAC for the electrical connection of the electrical unit. . Mains voltage is needed. • The gas shut-off valves should be opened, all connections made should be checked to make sure that there is no gas leakage with sparkling water after all connections are made,. • If there is leakage, foams will form. If there is a problem with the weld in the joining part, it should be welded again and checked again with foam.
	• Close the top of the medical gas installation pipes coming to the gas module. • Install unit cover in its place
	• The installation is completed by installing the cover bolts and bolt covers.

15.2 Mounting of Under Plaster Units

 Installation points	- The unit is lifted to the height and position at the place where it will be installed according to the user's request. - A hollow is opened according to the dimensions in which the plastered units will be embedded in the wall. - During the production of the unit, a mounting hole with a diameter of 6 mm was drilled to allow it to be easily mounted on the wall. According to these dimensions, holes with a diameter of 7 mm and a depth of 50 mm are drilled for the dowels on the wall. 8mm dowels are placed in the drilled holes.
	- After the dowels are installed, the dowel holes and the holes of the gas module are centered and the unit is fixed to the wall by installing a wood screw by the gas module. - The medical gas inlet of the unit is connected to the silver source by a copper pipeline drawn separately for the gas module from the building installation. 220VAC for the electrical connection of the electrical unit. . Ma- ins voltage is needed. - The gas shut-off valves should be opened, all connections made should be checked to make sure that there is no gas leakage with sparkling water after all connections are made., - If there is leakage, foams will form. If there is a problem with the weld in the joining part, it should be welded again and checked again with foam.
	Install unit cover in its place
	The installation is completed by installing the cover bolts and bolt covers.

16. Product Package Label

MG-GMxy-z-t Gas Modules

- x: HA (Aluminum), S (Cold Rolled Steel-DKP), P (Stainless Steel)
y: 1,2,3,4,5,6,7 gazlı
z: S (Standard), E (Electric)
t: SU (Surface Mounted), SA (Flush Mounted)

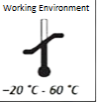
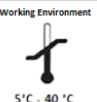
For gas modules with electrical details on them;
TYPE-1 Electrical Appliances section label is used.

	MEGASAN Medikal Gaz Sis. Tıbbi Alet ve Cihazlar İnş.Taah. Mad. Turizm İth. Ve İhr. San ve Tic.A.Ş. Merkez: Cumhuriyet Mah. Düvenciler Sok. Zafer İş Hanı Apt. No: 33/411 Merkez - ÇANKIRI / TÜRKİYE Fabrika: Dere Mah. Aşağı Ağıl Özü Mevkii Cad. No:18 PK:18700 Eldivan - ÇANKIRI / TÜRKİYE Tel: 0376 218 10 25 - Fax: 0376 218 12 26 info@megasan.com.tr - megasanmedical@yahoo.com www.megasan.com.tr MADE IN TURKEY	CE 1984 20... Uretim Tarihi .../.../2022
Ü.ADE: Ü.KODU:		
 8 698973 920047	 IP00	Saklama Ortamı -20 °C - 60 °C Çalışma Ortamı 5 °C - 40 °C
SERIAL NUMBER  22/xx-00186	 Protect From Oil Yağdan Koruyunuz ⚠ ⚡ DİKKAT ELEKTRİK TEHLİKESİ	220-240 V ~AC / 50-60 Hz AP G
ÜE-07	Revizyon No: 01	Revizyon Tarihi: 15.01.2022

For gas modules that do not contain electrical details on them;
TYPE-2 Non-electrical Devices The section label is used.

		MEGASAN Medikal Gaz Sis. Tıbbi Alet ve Cihazlar İnş.Taşh. Mad. Turizm İth. Ve İhr. San ve Tic.A.Ş. Merkez: Cumhuriyet Mah. Düvenciler Sok. Zafer İş Hanı Apt. No: 33/411 Merkez - ÇANKIRI / TÜRKİYE Fabrika: Dere Mah. Aşağı Ağıl Özü Mevkii Cad. No:18 PK:18700 Eldivan - ÇANKIRI / TÜRKİYE Tel: 0376 218 10 25 - Fax: 0376 218 12 26 info@megasan.com.tr - megasanmedical@yahoo.com www.megasan.com.tr MADE IN TURKEY	20...	
		Ü.ADE: Ü.KODU:	Üretim Tarihi/...../2022	
 8 698973 920047		 Saklama Ortamı -20 °C - 60 °C  Çalışma Ortamı 5 °C - 40 °C		
 SERIAL NUMBER 22/xx-00186		 Protect From Oil Yağdan Koruyunuz   		
ÜE-07 Revizyon No: 01 Revizyon Tarihi: 15.01.2022				

Explanations of symbols used on the Package Label for Electrical or Non-Electrical Devices;

	MEGASAN Medikal Gaz Sis. Tıbbi Alet ve Cihazlar İnş.Taşh. Mad. Turizm İth. Ve İhr. San ve Tic.A.Ş. Merkez: Cumhuriyet Mah. Düvenciler Sok. Zafer İş Hanı Apt. No: 33/411 Merkez - ÇANKIRI / TÜRKİYE Fabrika: Dere Mah. Aşağı Ağıl Özü Mevkii Cad. No:18 PK:18700 Eldivan - ÇANKIRI / TÜRKİYE Tel: 0376 218 10 25 - Fax: 0376 218 12 26 info@megasan.com.tr - megasanmedical@yahoo.com www.megasan.com.tr MADE IN TURKEY	20...	Explanations of symbols used on the Package Label for Electrical or Non-Electrical Devices
	Notified Body Identification Number		
	Read the user manual carefully. (Operating manual should be read completely and clearly for product to be used properly throughout economic life and for preventing accident which are caused directly or indirectly from product)		
 -20 °C - 60 °C	Store and transport at temperatures between -20°C and 60°C.		
 5 °C - 40 °C	Use ambient temperature values between 5°C - 40°C		
	Since it contains electrical structure, the user must be careful against electrical hazards.		
	Anesthesia-resistant gas may be present on the unit.		
	User should be careful		

	The IP Safety class of the device is 00. The unit enclosure does not have protection against water. The device enclosure prevents user access to hazardous areas and the entry of foreign objects into the device.
220-240 V ~AC / 50-60 Hz	The device's electricity supply is AC 220-240 V and it operates on a 50-60 Hz power grid.
	The Protective Grounding connection of the device must be made. WARNING : Due to fact that pendant units are Class I electrical medical equipments "This equipment should only be connected to mains network together with protective earthing connection for preventing electrical shock risk."
	The ground line of the equipotential grounding node on the unit must definitely be separate.
	The Electrical Safety Class of the Device is TYPE B.
	When oxygen gas comes into contact with oil or other lubricants, there is a danger of combustion, explosion. Protect from oil during use, as there may be an oxygen outlet on the device
	Product Barcode Code
SERIAL NUMBER  22/xx-00186	Production Year, Product Group, serial number

17. Technical Service Stations

LIST INDICATING SERVICE STATIONS	
OF THE IMPORTER/MANUFACTURER/PRODUCER COMPANY	
TITLE	MEGASAN MED. GAS. FOG. TIB. TOOLS AND DEVICES CONS. TAAH. MAD.NAK. TYPE. imp. DHR. SINGING. TRADE. Inc.
HEAD OFFICE ADDRESS	Cumhuriyet Mah. D�venciler sok. Zafer Iř Hanı Apt. No:33/411 Merkez / ankırı
Phone No	376-218 10 25
FAX	376-218 12 26
TRADE REGISTRY NUMBER	2 / 2163
Tax Office / No	613 088 4492

Name of Service	MEGASAN MED. GAS. FOG. TIB. TOOLS AND DEVICES CONS. TAAH. MAD.NAK. TYPE. imp. DHR. SINGING. TRADE. Inc.
Authorized Name Surname	HAYRETTİN ELİKTEN
Tax Office / No	ANKIRI / 613 088 4492
Phone No	376-218 10 25
HYBN No.	Jun-59
Address	Cumhuriyet Mah. D�venciler sok. Zafer Iř Hanı Apt. No:33/411 Merkez / ankırı
Province	ANKIRI

Name of Service	TEKNİKON MEDICAL C�H. AND GAS SYSTEM. SINGING. VE T�C.LTD. ř�.
Authorized Name Surname	OKAN řERİF AKMAN
Tax Office / No	OSTİM / 8360335116
Phone No	312-395 09 29
HYBN No.	Jun-04
Address	İVEDİK SANAY� B�LGESİ 645. SOK. NO:28 OSTİM
Province	ANKARA

Name of Service	BUZSAN MEDICAL COOLING CONSTRUCTION TOURISM NATURAL GAS CONTRACTING IMPORT EXPORT INDUSTRY TRADE LTD. ř�.
Authorized Name Surname	İRFAN KALKAN
Tax Office / No	HARPUT /1910537688
Phone No	424 238 71 27
HYBN No.	14.31.23 / HYB-329
Address	AKPINAR MAH. PINARLI SOK.NO:8/C
Province	ELAZIĞ

Name of Service	SERTEK TECHNICAL SYSTEMS - İZZET USLU
Authorized Name Surname	İZZET USLU
Tax Office / No	MİMARŞINAN / 8950271798
Phone No	320 52 52
HYBN No.	38 / 1323
Address	HASTANE CAD. KİRANATLI İř MERKEZİ NO:33/1
Province	KAYSERİ

Name of Service	MEDGAZ MEDICAL INDUSTRIAL MECHANICAL INSTALLATION ELECTRICAL CONSTRUCTION TAAH. SINGING. TRADE. LTD. ř�
Authorized Name Surname	�ZCAN DEMİRTAř
Tax Office / No	SETBAřI / 613 075 3619
Phone No	0224 360 04 10
HYBN No.	
Address	Değirmenli Kızık Mahallesi Teyyareci Cad. No:252/1 Yıldırım
Province	BURSA