

# CENTRAL GAS SUPPLY AND MEDICAL DEVICES



®



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## Central Gas Unit

This is a system that is built from a resource to obtain gases needed by the hospital.

Gases connected to the switching unit are provided from high-pressured tubes and they are given to the system by being decreased to the needed pressure thanks to the regulator included in the switchboard.

They are produced in automatic and semi automatic formats provided with spare parts. Also they are manufactured in compliance with ISO7386, ISO13485, EN4600, EN1441, EN980, EN940, EN739, EN737, EN793, DIN13260 ve HTM 2022 standards.

They are built specifically for medical oxygen, azote protoxide, medical carbon dioxide gases



## Compressed Air Plant

The main components of the compressed air plant are compressor, tank and a pressure reducer stage to refine the compressed air ( bacteria filter, air dryer ) and to reduce the pressure down to a desired one. For reasons of safety double plants should be erected.



## Vacuum Plant

Similar to compressed air the vacuum plant is designed. Two vacuum pumps, tank, bacteria filters, collecting bottle and control panel are the several components.. To catch peak requirements both pumps can work together in contrast to the normal operation of an alternating run.



## Collector

It provides the connection between tij pipe set and switchboard. The flow of gases is prevented through the aid of valves that are inside of it. That can be in 2, 35 or 10 groups.

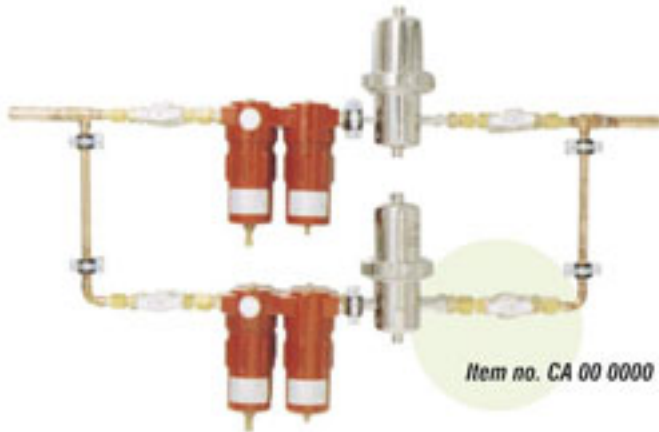
## Distribution Bend To connect cylinders

Flexible copper pipe with compensation helix to connect one or two gas cylinders with a high pressure header.

Also available for many more gases and connection systems.

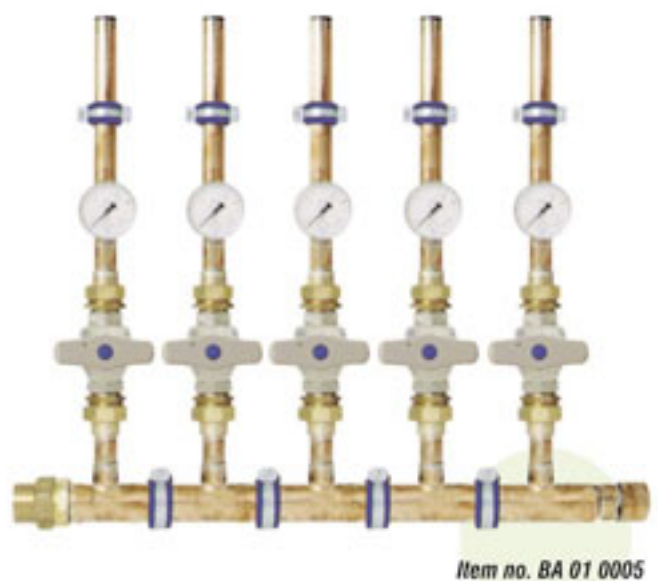
## Valve Boxes 1-5 gases

They are set to the proper places of hospitals and are used to isolate the whole system or a specific part of the medical structure from other parts. It can be built as 2, 3 4 or 5 including gasses according to the medical gases used in the appropriate part.



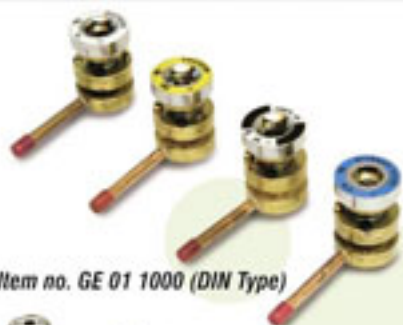
## Alarm Unit

It is a device that does not only show the measure of the pressure in the installation, but it does also show the changes due to a related problem and gives sounded and visual alarms. It can be built as including 1, 2, 3, 4 or 5 gasses. They have test and cancel buttons that controls the system continuously.



# Medical Gas Outlets

CE 0473



Item no. GE 01 1000 (DIN Type)



Item no. GE 01 2000 (French Type)



Item no. GE 01 3000 (BS Type)

## Gas Sockets

Gas sockets are instruments that have a facility for the patients to have the nourishment through the copper pipe net system from the feeding unit. They are manufactured in compliance with DIN, BS, AGA and FRENCH types.

Gas sockets intended for such gases : Oxygen, vacuum, Compressed Air to 5 or 8 bars, azote protoxide and carbon dioxide.

These gas sockets are manufactured to be appropriate to BS5682, DIN13260, EN737-6 norms and their labels are gas-specific.



Item no. GE 04 1000 (DIN Type)



Item no. GE 04 2000 (French Type)



Item no. GE 04 3000 (BS Type)

## Jacks (Angle Plugs)

These are the instruments, which are used to transmit the gases, which are brought from the nourishment units to the gas plugs, through medical equipment to the patient. They are produced in compliance with DIN, BS, AGA and FRENCH types and they are in Gas specific norms.



Item no. GE 01 4000



Item no. GE 04 4000

## Anesthetic Gas Scavenging Systems

They are instruments, which are used to clean the system, with a connected angle plug to create vacuum. They are manufactured in compliance with DIN 13260 ve EN737.



Air motor  
Item no. GE 01 5000



Item no. GE 04 5000

## Flowmeters

These are the instruments that aid the user to give the oxygen to the patient by humidifying it through the aid of the nozzle and the mask. They allow oxygen flow in the range of 0 to 15 liters per minute. They are using with angle plugs that manufactured in compliance with



Item no. GE 05 1001  
(DIW Type)



Item no. GE 05 2001  
(French Type)



Item no. GE 05 3001  
(BS Type)



Item no. GE 05 0001



Item no. GE 05 0002



Double flowmeter  
Item no. GE 05 1000



Vaporizer  
Item no. GE 07 1000

# Regulators

CE 0473

## Vacuum Regulator

These are the instruments, which regulate the vacuum from the gas plugs between 0 - 760 mmHg interval and give it to the patient in the appropriate amount. They are using with angle plugs that manufactured in compliance with DIN, BS, AGA and FRENCH types.



Item no. GE 02 3101 (DIN Type)  
Item no. GE 02 3201 (French Type)  
Item no. GE 02 3301 (BS Type)

Vacuum regulator and bottle  
Item no. GE 02 3102 (DIN Type)  
Item no. GE 02 3202 (French Type)  
Item no. GE 02 3302 (BS Type)



Item no. GE 02 3002

## Turbo

They are the instruments, which are used to obtain vacuum thanks to the compressed air and are also used to regulate it between 0 - 760 mmHg interval in order to give it to the patient. They are using with angle plugs that manufactured in compliance with DIN, BS, AGA and FRENCH types.



Item no. GE 02 4101 (DIN Type)  
Item no. GE 02 4201 (French Type)  
Item no. GE 02 4301 (BS Type)

Vacuum regulator and bottle  
Item no. GE 02 4102 (DIN Type)  
Item no. GE 02 4202 (French Type)  
Item no. GE 02 4302 (BS Type)



Item no. GE 02 4002

## Vacuum Jar

They have the capacity of 1,5,2 or 5 liters and are switched off when they are reached to their full capacities through the help of a valve that they incur. They have connectors optionally for rail system or wall.



Water vacuum regulator  
Item no. GE 03 0000



Item no. GE 04 0002 (2 lt.)  
GE 04 0005 (5 lt.)

# Compact units and emergency supply

CE 0473

Adjusted pressure reducer 5 valve for not aggressive gases; high pressure compensation; with contend pressure gauge, connection in line with DIN 13252.

Item no. RE 01 0001



Oxygen atomizer  
Chromium plated pressure reducer for oxygen, adjusted at 5 bar with high pressure gauge and safety valve.

Item no. RF 01 0001



Portable emergency supply unit for oxygen, for stationer and mobile using high great steel rack, consisting of: 2 Lt. oxygen cylinder, oxygen atomizer, vacuum regulator with vacuum gauge needle, silencer optional filter and suction bottle



Emergency Supply  
Item no. AT 01 0001

Mobile Supply Unit for Oxygen therapy  
Item no. ST 01 0001

Cylinder carrier  
Item no. ST 01 0002

Cylinder cover  
Item no. ST 01 0003



