



The gas cylinder manifold MC25 has a capacity of 25 m³/h and is primarily intended for small and medium-sized hospitals. The gas cylinder pressure is regulated in two steps. The change-over between operating side and reserve side is made automatically without any differences in the operating pressure. Alarm signal comes from the pressure switches to the alarm unit. The alarm signals from the alarm unit can be forwarded directly to a monitoring desk. Function control and service can be carried out without interruption in the gas supply.

SPECIFICATION

MC25 INCLUDES THE FOLLOWING COMPONENTS:

- Gas manifold MC25
- Gas alarm including power supply
- Evacuating kits for collecting pipe
- Shut-off valve for distribution line
- HP filters
- Collecting pipe for 2x1 cylinder

FOR A COMPLETE MC25 MANIFOLD ADD:

- High pressure collecting pipe set (high pressure valves, filters and non-return valves)
- High pressure hoses with safety wire
- Cylinder retaining brackets (included in gas cylinder collecting pipe set)
- Gas name sign

(For more information, please see Accessories section)

Art. Nr.	Denomination	Gas	Safety valve	Alarm
0727315	MC25 - 2x1	O ₂	Manual activation	C44
0727316	MC25 - 2x1	Air	Manual activation	C44
0727317	MC25 - 2x1	N ₂ O, CO ₂	Manual activation	C44

TECHNICAL DATA

Gases:	O ₂ ; Air; N ₂ ; N ₂ O; CO ₂ ; (all medical gases)
Nominal flow:	25 m ³ /h
Inlet nominal pressure:	200 bar (20 000 kPa)
Outlet nominal pressure:	4,5 bar (setting range 0,5-6 bar)
Intermediate nominal pressure:	12 bar (setting range 9-16 bar)
Inlet connection:	W21,8x1/14" M
Outlet connection:	G1/2" M + Soldering piece pipe Ø10, Ø15
Outlet safety valve:	6,8 bar
Intermediate safety valve:	17 bar
Safety valve pipe dimension:	OD = 15 mm
Regulatory status:	Complies with Medical directive 93/42/EEC
	Complies with EN ISO 7396-1 (Central Gas Supply system)
	Complies with EN 60601-1-2 (Electromagnetic compatibility)

По вопросам продаж и поддержки обращайтесь:

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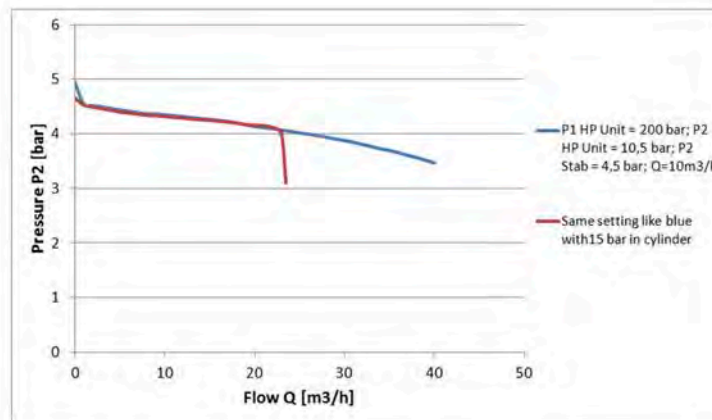
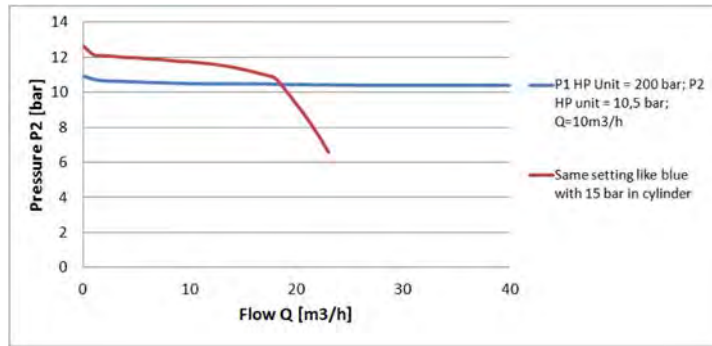
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FLOW CHARTS OF MANIFOLD MC25 PRESSURE CHARACTERISTIC



GAS MANIFOLD MM40 - HP UNIT (SEMIAUTOMATIC)



Manifold MM40 Semiauto is a semi-automatic manifold. It is working on principal different pressure between the operation and reserve regulator. By the manual lever, operator can decide which side will be the operational one and which will be the reserve one. When the operating side is empty, the manifold will without any action start to supply gas from the reserve side with the lower regulator pressure and fulfill the requests to supply without interrupting the flow.

MM40 Semiauto manifolds together with a stabilizer should be used as second and third source of gas in systems with liquid gas tank. For hospitals without liquid gas tanks it is possible to use manifold MM40 Semiauto together with a stabilizer as first and second source, and in connection with a third source (MM90 Standby) it will provide a final solution to fulfill ISO 7396-1 and national installation standards.

Manifolds are supplied with an Alarm system which increase safety to maximal level and inform the hospital personal about each non standards situation.

Gas Alarm C44 is a standards accessory. The gas alarm C44 gives visual and audible indications. It surveillance and sounds the alarm when the following happens:

1. Leaking reserve side
 2. High distribution pressure
 3. Change operation side
 4. High intermeditate pressure
- The gas alarm C44 is able to communicate with other equipment through relays.
 - The alarm has a battery back-up for 30 minutes of operation.
 - Manifold MM40 Semiauto is only first stage of regulation and must be installed together with a Stabilizer which will stabilize the final pressure used in the hospital gas outlets.
 - GCE medical manifolds are CE-marked and fulfill the ISO 7396-1 standard.

SPECIFICATION

MM40 INCLUDES THE FOLLOWING COMPONENTS:

- MM40 SEMIAUTO Manifold
- Gas alarm C44
- Purge valves
- HP filters
- Shut-off valve for distribution line to stabilizer
- Collecting pipe for 2x1 cylinder

FOR A COMPLETE MM40 SEMIAUTO MANIFOLD ADD:

- Collecting pipe set (high pressure valves, and non-return valves /high pressure components)
- Cylinder retaining brackets (included in gas cylinder collecting pipe set)
- High pressure hoses with safety wire
- Plug for close collecting pipeline
- Gas name sign
- Stabilizer

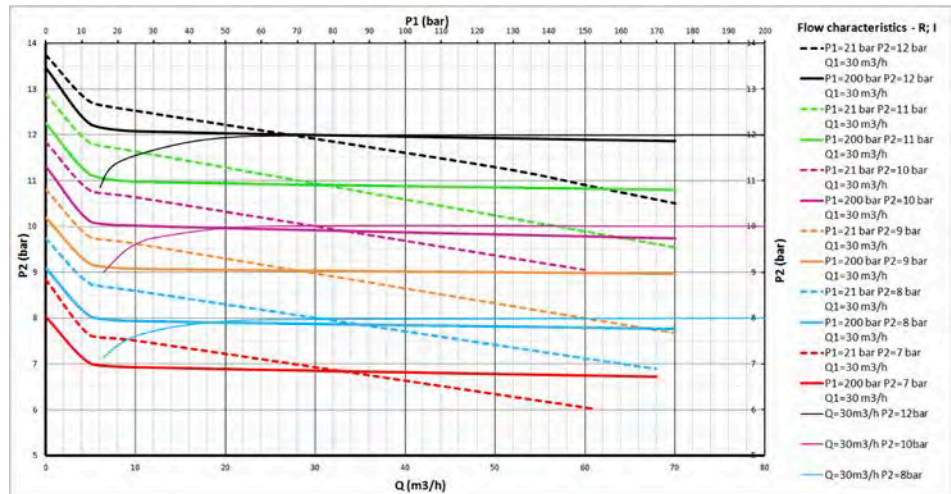
(For more information, please see Accessories section)

Art. Nr.	Denomination	Gas	Safety valve	Alarm
0727331	MM40 - HP unit 2x1	O ₂ , Air, N ₂	Manual activation	C44
0727336	MM40 - HP unit 2x1	N ₂ O, CO ₂	Manual activation	C44

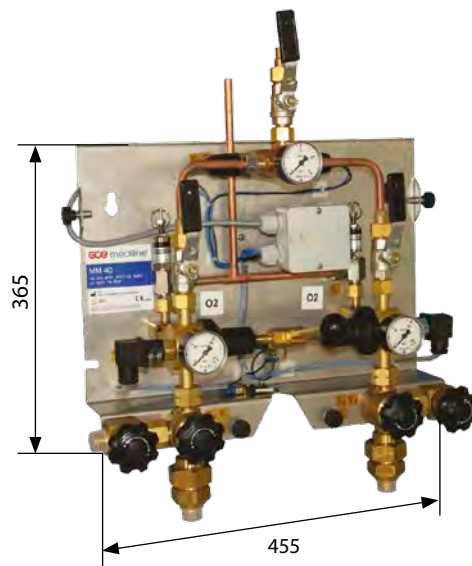
TECHNICAL DATA

Gases:	O ₂ ; Air; N ₂ ; N ₂ O; CO ₂ (all medical gases)
Nominal flow:	40 m ³ /h
Inlet nominal pressure:	200 bar
Outlet nominal pressure:	12 bar (setting range 9-16 bar)
Inlet connection:	W21,8x1/14"M
Outlet connection:	G1/2"M + Soldering piece pipe Ø10, Ø15
Safety valve:	17 bar
Safety valve pipe dimension:	OD = 10 mm
Purge valves connection:	W21,8x1/14"M
Regulatory status:	Complies with Medical directive 93/42/EEC
	Complies with EN ISO 7396-1 (Central Gas Supply system)
	Complies with EN 60601-1-2 (Electromagnetic compatibility)

FLOW CHART OF MANIFOLD MM40 PRESSURE CHARACTERISTIC



BASIC DIMENSIONS



Note!
Measurements in mm.

GAS MANIFOLD MM90 - HP UNIT (AUTOMATIC)



The MM90 automatic medical manifold is intended for use in hospital pipeline system as medical gas source. Together with MM90, always use an alarm providing all alarms according to standard (like gas alarm C44). As 2nd stage is recommended to use a stabilizer.

The manifolds covered by this description are designed to allow equal numbers of cylinders to be manifold together to give an operating bank and a reserve bank. The manifold will deliver gas from the operating bank to the manifold pressure regulator until the cylinders are exhausted. At that point the supply will switch to the reserve bank and the empty bank can be replenished. The object gives uninterrupted gas supply.

Gas Alarm C44 is a standard accessory. The gas alarm C44 gives visual and audible indication. It surveils and the alarm sounds when the following happens:

1. Change operation side
2. Leaking on reserve side
3. High intermediate pressure
4. High/Low distribution pressure (when connected to a Stabilizer)

The gas alarm C44 is able to communicate with other equipment through relays. The alarm has a battery back-up for 30 minutes of operation.

SPECIFICATION

MM90 INCLUDES THE FOLLOWING COMPONENTS:

- MM90 AUTO Manifold
- Gas alarm C44
- Purge valves
- HP filters

FOR A COMPLETE MM90 AUTO MANIFOLD ADD:

- Collecting pipe set (high pressure valves, and non-return valves /high pressure components)
- Cylinder retaining brackets (included in gas cylinder collecting pipe set)
- High pressure hoses with safety wire
- Plug for close collecting pipeline
- Gas name sign
- Stabilizer

(For more information, please see Accessories section)

For more information about item numbers, please contact Product Support

TECHNICAL DATA

Gases:	O ₂ ; Air; N ₂ ; N ₂ O; CO ₂ (all medical gases)
Nominal flow:	90 m ³ /h
Inlet nominal pressure:	200 bar (20 000 kPa)
Outlet nominal pressure:	9 bar (setting range 9-15 bar)
Inlet connection:	W21,8×1/14"М
Outlet connection:	G3/4" F+pipe OD 22 mm
Safety valve:	16 bar
Safety valve pipe dimension:	OD = 10 mm
Purge valves connection:	W21,8×1/14"М+pipe OD 10 mm
Regulatory status:	Complies with Medical directive 93/42/EEC
	Complies with EN ISO 7396-1 (Central Gas Supply system)
	Complies with EN 60601-1-2 (Electromagnetic compatibility)

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