

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

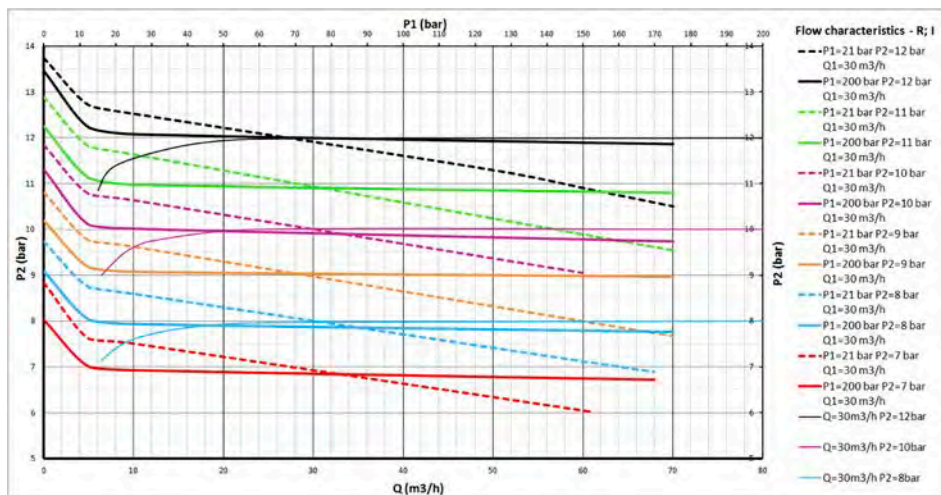
(For more information, please see Accessories section)

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

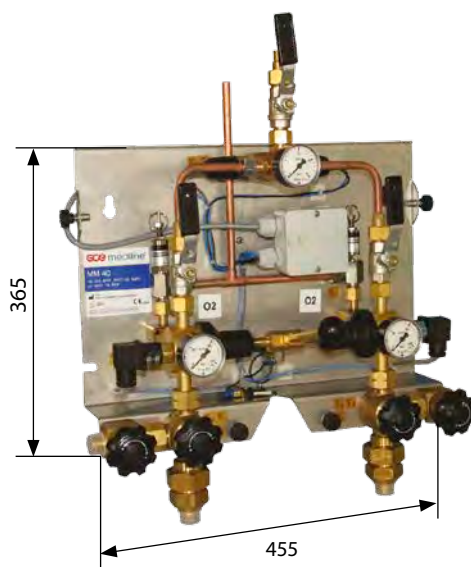
TECHNICAL DATA

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.