



MEDICAL CENTRAL GAS SYSTEM

GAS MANIFOLD MM40

Manifold MM40 HP unit is an automatic manifold. It is working on the principal of different pressures between the operation and reserve regulator. By the manual lever, the operator can decide which side will be the operational side and which will be the reserve side. 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 HP unit 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 HP unit 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 increases safety to maximal level and informs the hospital personal about each non standard situation.

MM40 includes the following components:

- > MM40 HP unit Manifold
- > Gas alarm
- > Purge valves
- > HP filters
- > Shut-off valve for distribution line to stabilizer



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Gas Alarm is a standard accessory. The gas alarm gives visual and audible indications. It acts as a surveillance system and sounds the alarm when the following happens

- 1. Leaking reserve side
 - 2. Empty position (High/Low distribution pressure when connected to a Stabilizer)
 - 3. Change operation side
 - 4. High intermediate pressure
- > The gas alarm is able to communicate with other equipment through relays.
- > Manifold MM40 HP unit 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.

FOR A COMPLETE MM40 HP UNIT MANIFOLD ADD:

- > Collecting pipe set (high pressure valves, non-return valves and 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

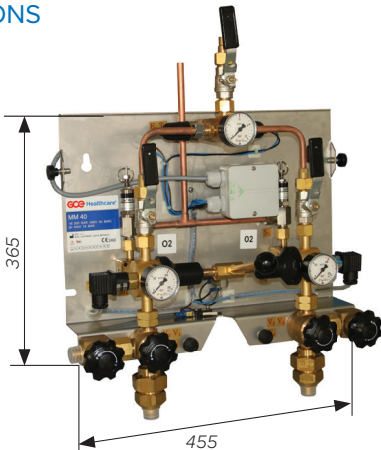
Item No.	Denomination	Gas	PRV	Signalization
0732307	MM40 – HP unit 2×1	O ₂ , Air, N ₂	Standard	Alarm TMA6703
0732308	MM40 – HP unit 2×1	O ₂ , Air, N ₂	Manual activation	Alarm TMA6703
0727334*	MM40 – HP unit 2×1	O ₂ , Air, N ₂ , N ₂ O, CO ₂	Standard	–
0732310	MM40 – HP unit 2×1	N ₂ O, CO ₂	Standard	Alarm TMA6703
0732311	MM40 – HP unit 2×1	N ₂ O, CO ₂	Manual activation	Alarm TMA6703

**basic version without electric sensors*

TECHNICAL DATA

Gases:	O ₂ , Air, N ₂ , N ₂ O, CO ₂ , (all medical gases)
Nominal flow:	40 m³/h
Inlet nominal pressure:	200 bar (20 000 kPa)
Outlet nominal pressure:	12 bar (setting range 9–16 bar)
Inlet connection:	W21,8×1/14"M
Outlet connection:	G1/2"M + soldering piece pipe ø 10, ø 15 mm
Intermediate pressure relieve valve:	17 bar
Pressure relieve valve pipe dimension:	ø 10 mm
Regulatory status:	Complies with Medical Devices Directive 93/42/EEC
	Complies with EN ISO 7396-1 (Central Gas Supply Systems)
	Complies with EN 60601-1-2 (Electromagnetic compatibility)
	present SIS HB 370 and HTM 02-01

BASIC DIMENSIONS



Note!
Measurements in mm.

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