



MEDICAL CENTRAL GAS SYSTEM

GAS MANIFOLD MM90 FULLY AUTOMATIC

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

MM90 includes the following components:

- > MM90 HP unit Manifold
- > Gas alarm
- > Purge valves
- > HP filters



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

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

The gas alarm is able to communicate with other equipment through relays.

FOR A COMPLETE MM90 HP UNIT 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

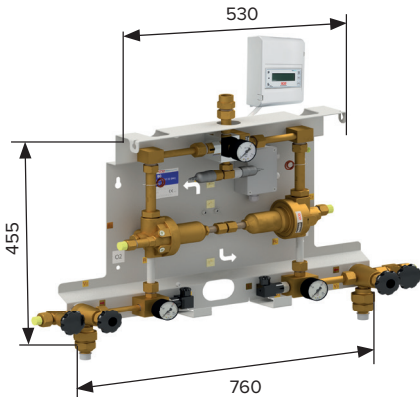
Item No.	Denomination	Gas	PRV	Signalization
0732322	MM90 – HP unit AUTO 2x1	O ₂	Standard	Alarm TMA6703
0732323	MM90 – HP unit AUTO 2x1	Air	Standard	Alarm TMA6703
0732324	MM90 – HP unit AUTO 2x1	N ₂ O, CO ₂	Standard	Alarm TMA6703
0727308*	MM90 – HP unit AUTO 2x1	O ₂ , N ₂ O, Air, CO ₂ , N ₂	Standard	–
0727309	MM90 – HP unit AUTO 2x1	O ₂	Standard	Pressure switch
0727310	MM90 – HP unit AUTO 2x1	Air	Standard	Pressure switch
0727311	MM90 – HP unit AUTO 2x1	N ₂ O, CO ₂	Standard	Pressure switch

**basic version without electric sensors*

TECHNICAL DATA

Gases:	O ₂ , Air, N ₂ , N ₂ O, CO ₂ , (all medical gases)
Nominal flow:	90 m³/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"M
Outlet connection:	G3/4"F + soldering piece pipe ø 22 mm
Intermediate pressure relieve valve:	16 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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