



MEDICAL CENTRAL GAS SUPPLY SYSTEM **MM90 AUTO**

EDITION 1/2013

The MM90 automatic medical manifold is intended for use in hospital pipeline system as medical gas source. Together with MM90, there shall always be used 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 exhausted bank can be replenished. The object is to give uninterrupted gas supply.

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

1. Change operation side / Leaking on reserve side
2. High operation pressure
3. Low operation 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.



MM 90 AUTO

SPECIFICATION

MM90 INCLUDES THE FOLLOWING COMPONENTS:

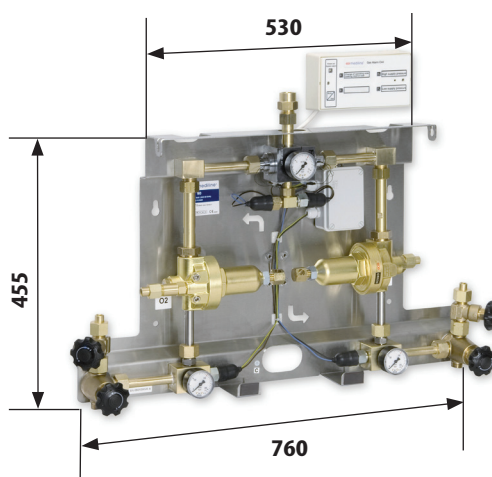
- MM90 AUTO Manifold
- Gas alarm C44
- Purge valves

FOR A COMPLETE MM90 AUTO MANIFOLD ADD:

- Collecting pipe set (high pressure valves, and non-return valves /high pressure components/)
- Cylinder retaining brackets.
- High pressure hoses with safety wire.
- Plug for close collecting pipeline
- HP filters
- Gas name sign

TECHNICAL DATA

| | |
|--|--|
| Capacity at 9 bar (900 kPa) outlet pressure: | |
| | O ₂ , Air: 90 m ³ /h |
| | N ₂ O, CO ₂ : 50 m ³ /h |
| Max. inlet pressure (settled): | 200 bar (20 000 kPa) |
| Max outlet pressure: | 12 bar (1200 kPa) |
| Safety + purge valves pipe dimension: | OD = 10 mm |
| Regulatory status: | Complies with Medical Devices Directive 93/42/EEC. |
| | Complies with En ISO 7396-1 (Central Gas Supply System). |



Note! Measurements in mm.

| Art. Nr. | Denomination | Gas | Inlet connection | Outlet connection |
|----------|--------------------|------------------|------------------|----------------------|
| 0727301 | MM90 AUTO Manifold | O ₂ | W 21,8×1/14"M | G3/4"F+pipe OD 22 mm |
| 0727302 | MM90 AUTO Manifold | Air | W 21,8×1/14"M | G3/4"F+pipe OD 22 mm |
| 0727303 | MM90 AUTO Manifold | N ₂ O | W 21,8×1/14"M | G3/4"F+pipe OD 22 mm |
| 0727309* | MM90 AUTO Manifold | O ₂ | W 21,8×1/14"M | G3/4"F+pipe OD 22 mm |
| 0727310* | MM90 AUTO Manifold | Air | W 21,8×1/14"M | G3/4"F+pipe OD 22 mm |
| 0727311* | MM90 AUTO Manifold | N ₂ O | W 21,8×1/14"M | G3/4"F+pipe OD 22 mm |

* without Gas alarm C44



Gas Control Equipment

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