HOSPITAL CENTRAL GAS SUPPLY SYSTEM
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.

### Art. Nr. Denomination Gas Inlet connection Outlet connection
0727301 MM90 AUTO Manifold O₂ W 21,8x1/14”M G3/4”F+pipe OD 22 mm
0727302 MM90 AUTO Manifold Air W 21,8x1/14”M G3/4”F+pipe OD 22 mm
0727303 MM90 AUTO Manifold N₂O W 21,8x1/14”M G3/4”F+pipe OD 22 mm

### SPECIFICATION

**MM90 INCLUDES THE FOLLOWING COMPONENTS:**
- MM90 AUTO Manifold
- Gas alarm C44
- Purge valves
- Plug for close collecting pipeline
- 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
- High pressure hoses with safety wire
- Gas name sign

### TECHNICAL DATA

**Capacity at 900 kPa (9 bar) outlet pressure**
- O₂, Air: 90 m³/h
- N₂O, CO₂: 50 m³/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)
The MM90 semiautomatic 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
2. Leakage on reserve side
3. High operation pressure
4. 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.

### Art. Nr. | Denomination | Gas | Inlet connection | Outlet connection
---|---|---|---|---
0727304 | MM90 SEMIAUTO Manifold | O₂ | W 21,8x1/14"M | G3/4"F+pipe OD 22 mm
0727305 | MM90 SEMIAUTO Manifold | Air | W 21,8x1/14"M | G3/4"F+pipe OD 22 mm
0727306 | MM90 SEMIAUTO Manifold | N₂O | W 21,8x1/14"M | G3/4"F+pipe OD 22 mm
0727313* | MM90 SEMIAUTO Manifold | O₂/Air | W 21,8x1/14"M | G3/4"F+pipe OD 22 mm
0727314* | MM90 SEMIAUTO Manifold | N₂O/CO₂ | W 21,8x1/14"M | G3/4"F+pipe OD 22 mm
*with Gas alarm MC7701, safety valve according to SISHB370

### SPECIFICATION
**MM90 INCLUDES THE FOLLOWING COMPONENTS:**
- MM90 SEMIAUTO Manifold
- Gas alarm C44
- Purge valves
- Plug for close collecting pipeline
- HP filters

**FOR A COMPLETE MM90 SEMIAUTO MANIFOLD ADD:**
- Collecting pipe set (high pressure valves, and non-return valves /high pressure components/)
- Cylinder retaining brackets
- High pressure hoses with safety wire
- Gas name sign

### TECHNICAL DATA
- **Capacity at 900 kPa (9 bar) outlet pressure**
  - O₂, Air: 90 m³/h
  - N₂O, CO₂: 50 m³/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)
The manifold MM90 STANDBY covered by this description is designed to be used as a third source of supply in medical central gas systems. The manifold will deliver gas when the nominal supply system pressure falls below a set level (7 bar). This is a back up source.

Together with MM90 STANDBY, there shall always be used the MM90 AUTO or SEMIAUTO, alarm providing all alarms according to standard (like gas alarm C44). As 2nd stage is recommended to use a stabilizer.

Standard Accessory Gas Alarm C44

The gas alarm C44 gives visual and audible indication. It surveilles and sounds the alarm when the following happens:
1. Too high outlet pressure,
2. Too low outlet pressure,
3. Empty cylinder

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.

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Denomination</th>
<th>Gas</th>
<th>Inlet connection</th>
<th>Outlet connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>0727307</td>
<td>MM90 STANDBY</td>
<td>O₂, Air</td>
<td>W 21,8x1/14&quot;M</td>
<td>G3/4&quot;F+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727312</td>
<td>MM90 STANDBY</td>
<td>N₂O, CO₂</td>
<td>W 21,8x1/14&quot;M</td>
<td>G3/4&quot;F+pipe OD 22 mm</td>
</tr>
</tbody>
</table>

SPECIFICATION

MM90 INCLUDES THE FOLLOWING COMPONENTS:
- MM90 STANDBY Manifold with pressure switch
- Purge valves
- Plug for close collecting pipeline
- HP filters

FOR A COMPLETE MM90 STANDBY MANIFOLD ADD:
- Gas alarm C44
- Collecting pipe set (high pressure valves, and non-return valves /high pressure components/)
- Cylinder retaining brackets
- High pressure hoses with safety wire
- Gas name sign

TECHNICAL DATA

Capacity at 700 kPa (7 bar) outlet pressure
- O₂, Air: 90 m³/h
- N₂O, CO₂: 50 m³/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)
This gas manifold is suitable for the medium to the large sized hospital. The MC 80 has a flow capacity of up to 80 m³/h and is conveniently designed in modules. The MC 80 reduces the gas pressure in two steps to a constant operating pressure. Service and tests are to be carried out with no disturbance in the supply of gas to the gas distribution system.

**THE MC 80 (DUPLEX) CONSISTS OF THE THREE FOLLOWING UNITS:**

1. **MC 80 - HIGH PRESSURE UNIT**
   This module contains two regulators with safety valves and it is connected to two various cylinder banks with high pressure hoses. When the cylinder bank which has been connected for operation, has been emptied, the other duty side is automatically connected.

2. **MC 80 - STABILIZER**
   The stabilizer makes the operating pressure in the distribution system remain constant. The module contains two regulators with safety valves. Since the gas pressure is reduced in two steps the drop in pressure, when changing from the operating cylinder to the other bank of cylinders, is kept to a minimum. The unit is prepared for connection to a liquid supply tank.

3. **MC 7701 - DIGITAL PRESSURE MONITOR**
   This monitor gives visual and audible indication as well as a message in plain language. It electronically surveilles and sounds the alarm when the following happens:
   1. Too high or too low distributing pressure,
   2. Too high intermediate pressure,
   3. Leakage on the reserve gas cylinder bank,
   4. When change of operating side has been effected.

   When connected to a liquid tank the following disturbances will be reported:
   1. Too high or too low operating pressure,
   2. Too high or too low intermediate pressure,
   3. Leakage from the reserves,
   4. When change of operating side has been effected.

   The MC7701 is able to communication with another equipment through a serial link and / or relays. The alarm has a battery back-up for 30 minutes of operation.

**SPECIFICATION**

**MC 80 (DUPLEX) INCLUDES THE FOLLOWING COMPONENTS:**
- MC 80, High Pressure Unit
- MC 80, Stabilizer
- MC 7701, Digital Pressure Monitor
- Evacuating kits for collecting pipe
- Shut-off valve for the distribution line
- HP filters

**FOR A COMPLETE MC 80 (DUPLEX) STANDBY MANIFOLD ADD:**
- Collecting pipe set (high pressure valves, and non-return valves /high pressure components/)
- Cylinder retaining brackets
- High pressure hoses with safety wire
- Gas name sign

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Denomination</th>
<th>Gas</th>
<th>Inlet connection</th>
<th>Outlet connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>0727318</td>
<td>DUPLEX 2x1</td>
<td>O₂</td>
<td>W 21,8x1/14&quot;M</td>
<td>2x G3/4&quot;T+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727319</td>
<td>DUPLEX 2x1</td>
<td>Air</td>
<td>W 21,8x1/14&quot;M</td>
<td>2x G3/4&quot;T+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727320</td>
<td>DUPLEX 2x1</td>
<td>N₂O/CO₂</td>
<td>W 21,8x1/14&quot;M</td>
<td>2x G3/4&quot;T+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727321</td>
<td>MC80 HP 2x1</td>
<td>O₂</td>
<td>W 21,8x1/14&quot;M</td>
<td>G3/4&quot;T+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727322</td>
<td>MC80 HP 2x1</td>
<td>Air</td>
<td>W 21,8x1/14&quot;M</td>
<td>G3/4&quot;T+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727323</td>
<td>MC80 HP 2x1</td>
<td>N₂O/CO₂</td>
<td>W 21,8x1/14&quot;M</td>
<td>G3/4&quot;T+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727324</td>
<td>MC80 STAB</td>
<td>O₂</td>
<td>3x G3/4&quot;T+pipe OD 22 mm</td>
<td>2x G3/4&quot;T+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727325</td>
<td>MC80 STAB</td>
<td>Air</td>
<td>3x G3/4&quot;T+pipe OD 22 mm</td>
<td>2x G3/4&quot;T+pipe OD 22 mm</td>
</tr>
<tr>
<td>0727326</td>
<td>MC80 STAB</td>
<td>N₂O/CO₂</td>
<td>3x G3/4&quot;T+pipe OD 22 mm</td>
<td>2x G3/4&quot;T+pipe OD 22 mm</td>
</tr>
</tbody>
</table>
The gas cylinder manifold MC 25 is delivered as standard for the gases medical breathing oxygen, nitrous oxide, medical breathing air, medical carbon dioxide, and nitrogen. This manifold 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 C44. The alarm signals from the alarm unit C44 can be forwarded directly to a monitoring desk. Function control and service can be carried out without interruption in the gas supply.

**SPECIFICATION**
**MC 25 INCLUDES THE FOLLOWING COMPONENTS:**
- Gas manifold MC 25
- Gas alarm C44 (exposed mounting) including power supply
- Evacuating kits for collecting pipe
- Shut-off valve for distribution line
- HP filters

**FOR A COMPLETE MC 80 (DUPLEX) STANDBY MANIFOLD ADD:**
- High pressure collecting pipes, high pressure valves, filters and non-return valves
- High pressure hoses with safety wire
- Cylinder retaining brackets
- Gas name sign

### Art. Nr. Denomination Gas Inlet connection Outlet connection
<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Denomination</th>
<th>Gas</th>
<th>Inlet connection</th>
<th>Outlet connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>0727315</td>
<td>MC 25</td>
<td>O₂</td>
<td>W 21,8x1/14&quot;M</td>
<td>G1/2&quot;F + pipe OD10mm+OD15mm</td>
</tr>
<tr>
<td>0727316</td>
<td>MC 25</td>
<td>Air</td>
<td>W 21,8x1/14&quot;M</td>
<td>G1/2&quot;F + pipe OD10mm+OD15mm</td>
</tr>
<tr>
<td>0727317</td>
<td>MC 25</td>
<td>N₂O, CO₂</td>
<td>W 21,8x1/14&quot;M</td>
<td>G1/2&quot;F + pipe OD10mm+OD15mm</td>
</tr>
</tbody>
</table>

### TECHNICAL DATA
- **Capacity at 5 bar (500 kPa) operation pressure and pressure drop 0.5 bar (50 kPa)**
  - O₂, Air, N₂: 25 m³/h
  - N₂O, CO₂: 17 m³/h
- **Maximum inlet pressure**: 200 bar (20 000 kPa)
- **Maximum operation pressure**: 10 bar (1000 kPa)
- **Safety + purge valves pipe dimension**: OD = 15 mm
- **Regulatory status**: Complies with Medical Devices Directive 93/42/EEC.
  - Complies with EN ISO 7396-1 (Central Gas Supply System)
HIGH PRESSURE MANIFOLD ACCESSORIES

GCE can supply a complete range of high pressure accessories making it possible to install a medical gas supply system. All accessories are designed and manufactured according to the relevant standard for high pressure systems. The high pressure pipe components are manufactured in the following materials: stainless steel AISI 316 L and brass CuZn39Pb3, and they are tested at 360 bar. Cylinder holders for cylinders and connecting pipes are manufactured in AISI 316.

COLLECTION PIPE LINE

Collecting pipe set in prepare for GCE HP manifold units. These sets are increasing inlets points for HP cylinders or bundles. Collecting sets are possible connecting serially therefore select ideal combination.

SET CONTENTS:
- High Pressure Valve
- Non Return Valve
- Collection Pipe

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Denomination</th>
</tr>
</thead>
<tbody>
<tr>
<td>0733003</td>
<td>1 cylinder collection pipe set</td>
</tr>
<tr>
<td>0733004</td>
<td>2 cylinders collection pipe set</td>
</tr>
<tr>
<td>0733005</td>
<td>4 cylinders collection pipe set</td>
</tr>
<tr>
<td>0733000</td>
<td>2x1 cylinder collection pipe set</td>
</tr>
<tr>
<td>0733001</td>
<td>2x2 cylinders collection pipe set</td>
</tr>
<tr>
<td>0733002</td>
<td>2x4 cylinders collection pipe set</td>
</tr>
<tr>
<td>0733006</td>
<td>2x1 cylinder collection pipe set+cylinder holders</td>
</tr>
<tr>
<td>0733007</td>
<td>2x2 cylinders collection pipe set+cylinder holders</td>
</tr>
<tr>
<td>0733008</td>
<td>2x4 cylinders collection pipe set+cylinder holders</td>
</tr>
</tbody>
</table>

HIGH PRESSURE HOSES

Medical high pressure hoses are used to connect cylinders or cylinder bundles to gas supply systems. The high pressure hose is intended to be used with a pressure up to maximum 230 bar. Pressure tested at 345 bar. The hose is equipped with a safety wire.

HANDLING

The high pressure hose shall be transported, stored, installed and maintained according to Instruction of Use. Maximum life time from installation 5 years.

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Gas</th>
<th>Length (mm)</th>
<th>Inlet connection</th>
<th>Outlet connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>325197641</td>
<td>O₂</td>
<td>1250</td>
<td>W21,8x1/14” RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197651</td>
<td>O₂</td>
<td>2000</td>
<td>W21,8x1/14” RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197642</td>
<td>N₂O</td>
<td>1250</td>
<td>R3/8” RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197652</td>
<td>N₂O</td>
<td>2000</td>
<td>R3/8” RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197643</td>
<td>Air</td>
<td>1250</td>
<td>R5/8” RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197653</td>
<td>Air</td>
<td>2000</td>
<td>R5/8” RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197644</td>
<td>N₂/Ar</td>
<td>1250</td>
<td>W24,32x1/14” RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197654</td>
<td>N₂/Ar</td>
<td>2000</td>
<td>W24,32x1/14” RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197645</td>
<td>CO₂</td>
<td>1250</td>
<td>W27x2 RH</td>
<td>W21,8x1/14” RH</td>
</tr>
<tr>
<td>325197655</td>
<td>CO₂</td>
<td>2000</td>
<td>W27x2 RH</td>
<td>W21,8x1/14” RH</td>
</tr>
</tbody>
</table>

TECHNICAL DATA - MATERIAL

| Tube                    | Acid-proof Stainless Steel (AISI 316) |
| Plait                   | Stainless Steel (AISI 304)            |
| Wire                    | Stainless Steel (AISI 304)            |
| Nut and tightening material | Acid-proof Stainless Steel (AISI 316) |
| Case and Oetiker        | Stainless Steel (AISI 304)            |
| Regulatory status       | Complies with Medical Devices Directive 93/42/EEC. |
|                         | Complies with EN ISO 7396-1 (Central Gas Supply System) |
|                         | Complies with EN ISO 21969 (High Pressure Flexible Connection) |
A stabilizer is a pressure reduction unit with the task to equalize the eventual pressure variation in the hospital pipeline system to ensure a correct pressure from the terminal units. In case of signal for pressure deviation in relation to the alarm settings, the alarm can easily be displayed on a Gas alarm unit. It is also possible to send information to the central operation control. The stabilizer can be delivered with either pressure transmitter 4-20 mA, pressure transmitter 0-50 mV or with contact gauge.

The stabilizer makes it possible to distribute gas with different pressure to department and buildings in the hospital area. In some cases it is needed to deliver a higher pressure from the main gas manifold to compensate for small pipe dimensions. In those cases the Stabilizer shall be mounted as close as possible before the first terminal unit, to ensure a correct pressure to the patient.

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Denomination</th>
<th>Inlet connection</th>
<th>Outlet connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>325397762</td>
<td>MM7762 Stabilizer contact gauge</td>
<td>2x G3/4&quot;F+pipe OD 22 mm</td>
<td>2x G3/4&quot;F+pipe OD 22 mm</td>
</tr>
<tr>
<td>325397772</td>
<td>MM7762 Stabilizer 4-20 mA</td>
<td>2x G3/4&quot;F+pipe OD 22 mm</td>
<td>2x G3/4&quot;F+pipe OD 22 mm</td>
</tr>
</tbody>
</table>

**TECHNICAL DATA**

- Max inlet pressure: 16 bar (1600 kPa)
- Max operating pressure: 10 bar (1000 kPa)
- Capacity of 500 kPa (5 bar) operating pressure: 80 m³/h
- Safety valves pipe dimension: OD=15 mm
- Regulatory status: Complies with Medical Devices Directive 93/42/EEC.
  Complies with EN ISO 7396-1 (Central Gas Supply System)
A stabilizer is a pressure reduction unit with the task to equalize the eventual pressure variation in the hospital pipeline system to ensure a correct pressure from the terminal units. In case of signal for pressure deviation in relation to the alarm settings, the alarm can easily be displayed on a gas alarm unit. It is also possible to send information to the central operation control. The stabilizer can be delivered with either pressure transmitter 4-20 mA, pressure transmitter 0-50 mV or with contact gauge.

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<table>
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<tr>
<th>Art. Nr.</th>
<th>Denomination</th>
<th>Inlet connection</th>
<th>Outlet connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>325397706</td>
<td>MC 150 Stabilizer contact gauge</td>
<td>2x G1 1/2&quot;F+pipe OD 35 mm</td>
<td>2x G1 1/2&quot;F+pipe OD 35 mm</td>
</tr>
<tr>
<td>325397707</td>
<td>MC 150 Stabilizer 4-20 mA</td>
<td>2x G1 1/2&quot;F+pipe OD 35 mm</td>
<td>2x G1 1/2&quot;F+pipe OD 35 mm</td>
</tr>
</tbody>
</table>

**TECHNICAL DATA**

- **Max inlet pressure**: 16 bar (1600 kPa)
- **Max operating pressure**: 10 bar (1000 kPa)
- **Capacity of 500 kPa (5 bar) operating pressure**: 150 m³/h
- **Safety valves pipe dimension**: OD=35 mm
- **Regulatory status**: Complies with Medical Devices Directive 93/42/EEC. Complies with EN ISO 7396-1 (Central Gas Supply System)
GAS MANIFOLD SIMPLEX MMR

The Simplex MMR gas manifold is suitable for such health care where the capacity requirement is limited, such as laboratories and small health care clinics Veterinary etc. This gas manifold consists of only one group of cylinders. The regulator is mounted in the collection unit. Each inlet connection has a filter, a non-return valve and a shut-off valve. This arrangement makes it possible to use one cylinder at a time.

In order to obtain a stable outlet pressure this gas manifold is equipped with a preset two-stage regulator. On the high pressure side of the regulator there is a contact gauge the signal of which can be carried further to an alarm unit. Simplex MMR is delivered mounted and test-pressurized.

SPECIFICATION

SIMPLEX MMR INCLUDES THE FOLLOWING COMPONENTS:
- Gas cylinder manifold Simplex MMR
- Collecting pipe Manyflow block for three hoses
- Gas evacuation kits for collecting pipe

FOR A COMPLETE SIMPLEX MMR ADD:
- Gas alarm C44
- High pressure hoses with safety wire
- Cylinder retaining brackets
- Gas name signs

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Denomination</th>
<th>Gas, Inlet connection</th>
<th>Outlet connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>325397702</td>
<td>Simplex MMR</td>
<td>O₂, Air, N₂, Ar W 21,8×1/14&quot;M G3/8&quot;M</td>
<td></td>
</tr>
<tr>
<td>325397703</td>
<td>Simplex MMR</td>
<td>N₂O, CO₂ W 21,8×1/14&quot;M G3/8&quot;M</td>
<td></td>
</tr>
</tbody>
</table>

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Capacity at working pressure 5 bar</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>O₂, Air: 30 m³/h</td>
<td></td>
</tr>
<tr>
<td>N₂O, CO₂: 25 m³/h</td>
<td></td>
</tr>
<tr>
<td>Max. inlet pressure</td>
<td>200 bar (20000 kPa)</td>
</tr>
<tr>
<td>Max. outlet pressure</td>
<td>5 bar (500 kPa)</td>
</tr>
<tr>
<td>Regulatory status</td>
<td>Complies with Medical Devices Directive 93/42/EEC.</td>
</tr>
<tr>
<td></td>
<td>Complies with EN ISO 7396-1 (Central Gas Supply System)</td>
</tr>
</tbody>
</table>

SAFETY VALVES: See accessories central gas