



MEDICAL CENTRAL GAS SYSTEM

GAS MANIFOLD MC80

Manifold MC80 HP UNIT is a first stage pressure regulator intended for use in hospital pipeline system as a medical gas source.

MC80 HP UNIT contains two regulators with pressure relieve valves and it is connected to two various cylinder banks using high pressure hoses.

When the cylinder bank, which has been connected for operation, has been emptied the other duty side is automatically connected.

It is equipped with pressure switches and pressure transmitters 4 – 20 mA.

Together with MC80 HP UNIT shall always be used gas alarm providing all alarms in compliance with the standard EN ISO 7396-1.

SPECIFICATION

MC80 HP UNIT INCLUDES THE FOLLOWING COMPONENTS:

- > MC80 HP Manifold

FOR A COMPLETE MC80 HP UNIT MANIFOLD ADD:

- > Gas alarm (optional accessories)
- > High pressure hoses (optional accessories)



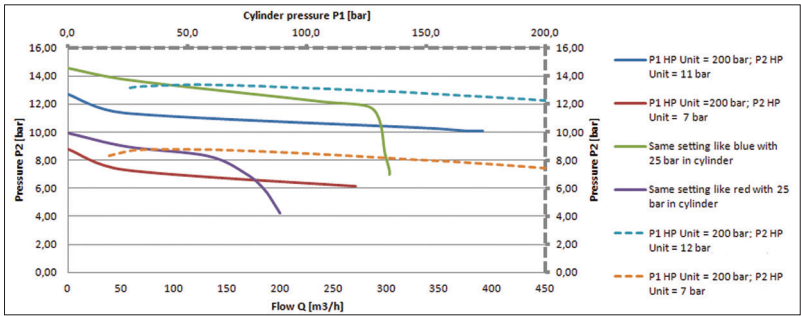
GAS MANIFOLD MC80

Item No.	Denomination	Gas	PRV	Signalization
0727321	MC80 HP 2x1	O ₂	Manual activation	switch + 4-20 mA
0727322	MC80 HP 2x1	Air	Manual activation	switch + 4-20 mA
0727323	MC80 HP 2x1	N ₂ O/O ₂	Manual activation	switch + 4-20 mA

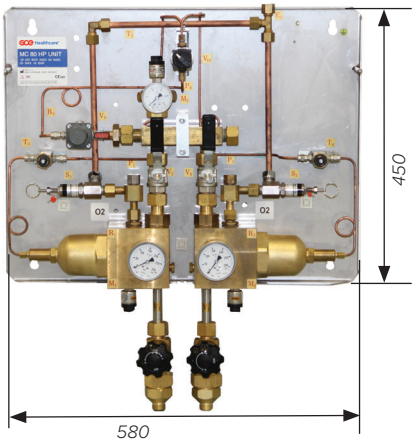
TECHNICAL DATA

Gases:	O2, Air, N2, N2O, CO2 (all medical gases)
Nominal flow:	200 m³/h
Inlet nominal pressure:	200 bar (20 000 kPa)
Outlet nominal pressure:	12 bar (setting range 10–16 bar)
Inlet connection:	W21,8×1/14“M
Outlet connection:	G3/4“F
Pressure relieve valve:	17 bar
Pressure relive valve pipe dimension:	ø 10 mm
Purge valves connection:	W21,8×1/14“M + pipe ø 15 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

FLOW CHART: MC80 - HP UNIT



BASIC DIMENSIONS



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