BeaconMedæs®

Life is in the details.

MCS2 Manifold Control Panel

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MCS2 Manifold

The Manifold You Need

Whatever your needs, the MCS2 manifold control system

- *Very high flow rates*
- *Two stage regulation system maintains a smooth and constant delivery pressure*
- *Inherently corrosion resistant design - no sacraficial protection*
- *12 V d.c. control system for maximum safety*
- *Ease of access for maintenance*

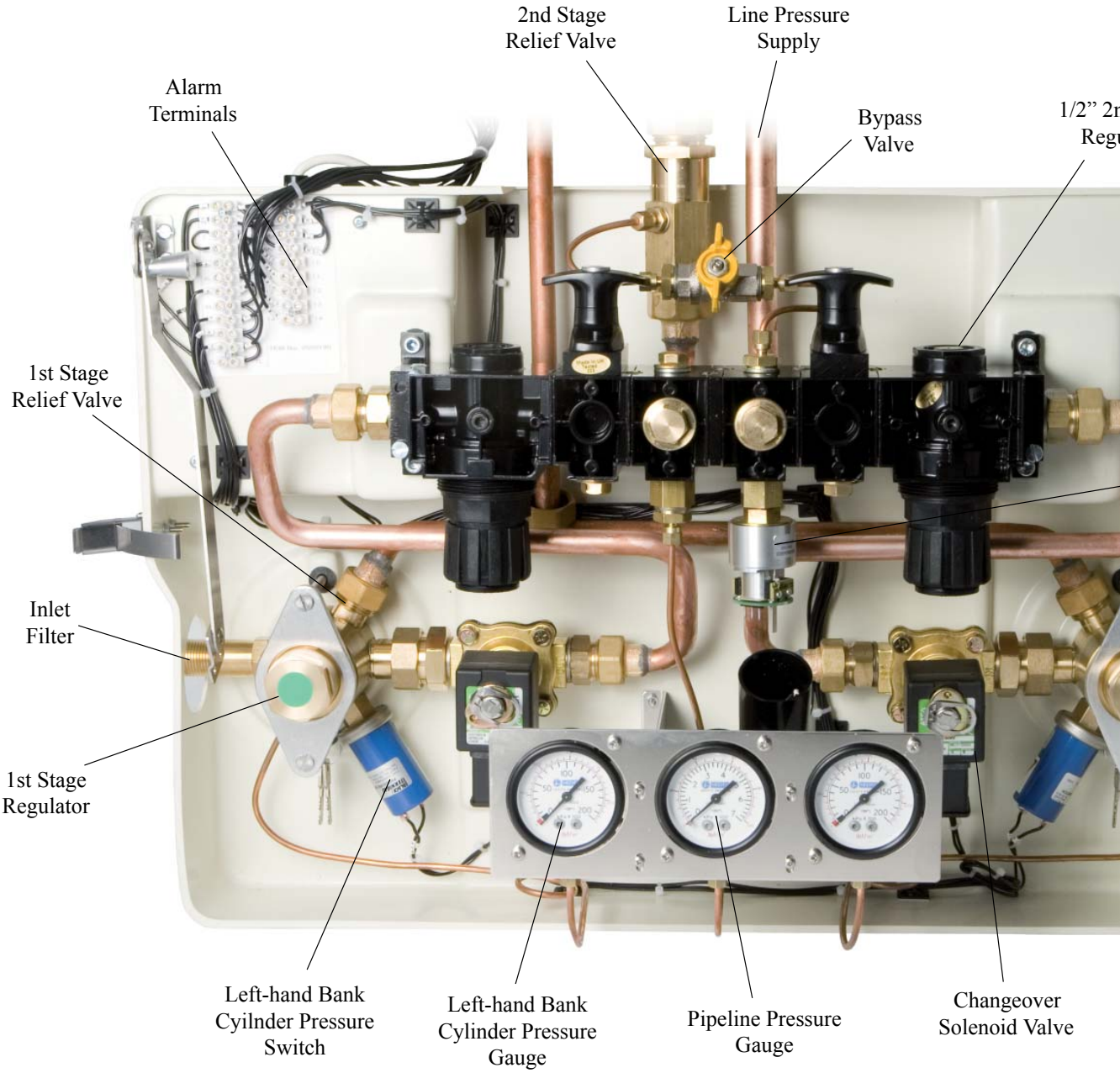
Safety

Continuity of supply is of paramount importance for medical gases, which is why the MCS2 includes features such as:

- *Fail-safe solenoid valves in the event of power supply failure*
- *All major components are replaceable without interruption of supply - including both solenoids valves!*
- *Purpose designed 1st stage regulators*

High Reliability

The MCS2 incorporates 1st stage regulators specifically designed for the purpose of supplying medical gases, whereas many other manifolds ustilise regulators primarily designed for use with gas torch welding or brazing sets. Since the intermittent high flows apparent with medical gases can exert high strains on the internal components, the MCS2 uses a regulator designed to cope with the rigourous demands of medical gas supply.



Control Panel

Simple to Maintain

The carefully designed layout of the MCS2 control panel allows unrestricted access to all the major serviceable components, without the need to disassemble any other joints. Ball valves are provided to enable regulator replacement without interrupting the flow of gas from the manifold.

Each component utilises flat face 'O' ring sealed joints, making swap out of components fast, and the MCS2 the simplest manifold control panel to use and maintain.

Higher Flows

The generously sized regulators used provide higher flows than most other medical manifold control panels. Unlike most other manifolds available, there are two totally separate stages of pressure regulation, which provide the following benefits:

- *Smoother flow characteristics are achieved by splitting the stages*
- *Downstream components are not subjected to shock loading*
- *Cost effective replacement of a single regulating stage, rather than a complete new multistage regulator*

A Complete Package

The MCS2 is complimented with a range of additional equipment including:

- *Free standing support legs*
- *Heater kits*
- *Emergency reserve manifolds*
- *MedPlus modular manifold headers*
- *A wide range of tailpipes to suit almost any cylinders*
- *Spare cylinder racks*
- *Manifold corner connectors*

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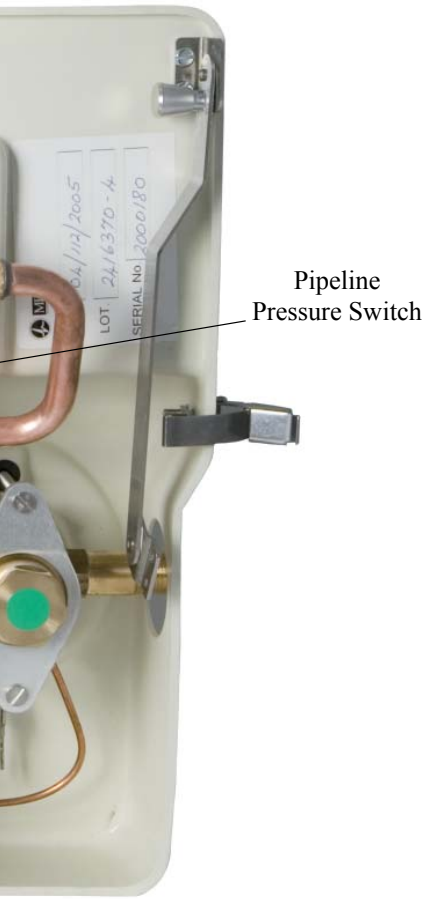
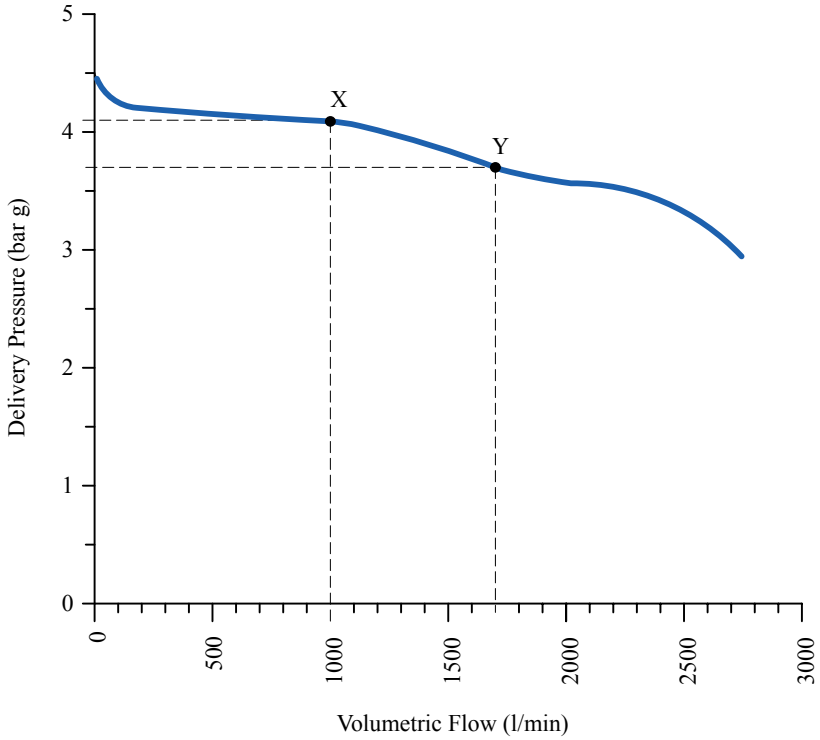
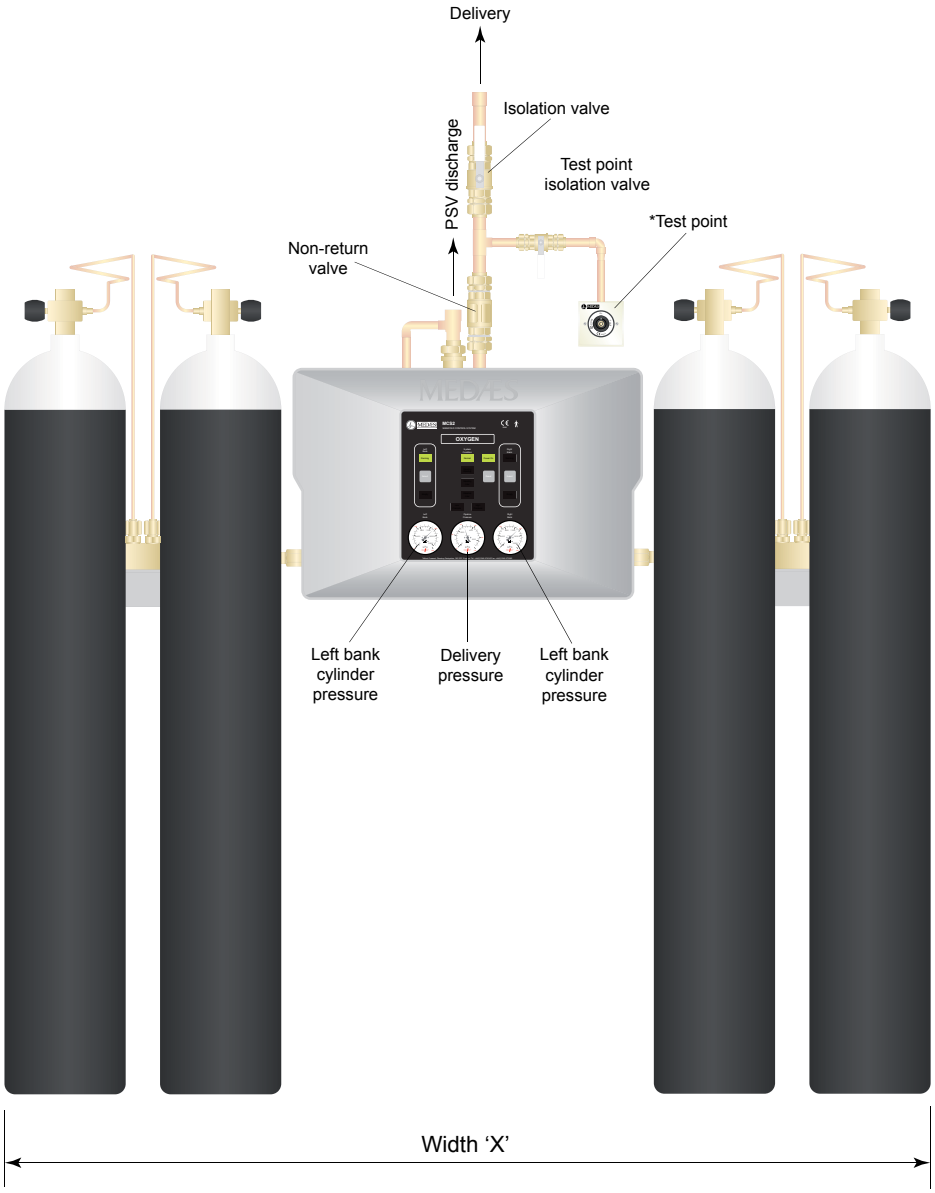


MCS2 Flow Performance



Based on air and assuming sufficient cylinders are connected and zero pipeline pressure loss:
'X' = 1000 l/min @ 4.1 bar
'Y' = 1700 l/min @ 3.7 bar (HTM 02 lowest terminal unit pressure)



MCS2™ Manifold Control System

Manifold Size	Width 'X' (mm)	Spare Rack (No. Cylinders)	Spare Rack Length (mm)
2 x 1 Cylinder	1385	2	505
2 x 2 Cylinders	1710	2	505
2 x 3 Cylinders	2395	3	847
2 x 4 Cylinders	2720	4	1010
2 x 5 Cylinders	3405	5	1352
2 x 6 Cylinders	3730	6	1515
2 x 8 Cylinders	4415	8	2020
2 x 10 Cylinders	5425	10	2525

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