

Mazor-XT (Touch Screen) Fully Automatic Medical Gas Manifold with External Supply (For Back up)

The Mazor-XT fully automatic changeover system is designed to meet the NFPA99, or EN ISO 7396-1, or HTM02-01 or G-01 standard.

The system manages 3 sources and provides continuous supply and smooth automatic bank switchover by means of pneumatic shuttle valve.

All medical gas information is displayed graphically and digitally on a 12" full HD LCD touch screen.



Features & Benefits

- Continuous supply and smooth automatic bank switchover, without pressure fluctuation, by means of pneumatic shuttle valve.
- Maintenance friendly- designed to enable maintenance during operation without the need to disrupt the gas supply.
- LCD 12" touch screen display.
- Graphically & digitally display of the actual status of each source- "In use" or "Stand by".
- Visual & audio alarm signals in case of: low pressure in main source line, change between banks, "Below min" and High/Low line supply pressure.
- Leak detection from manifolds.
- Secured Ethernet based network communication between all units.
- Unique secured authentication of each unit to avoid fake/masking of alarms.
- Flow & Consumption - Monitors & displays flow rate and consumption of the medical gas*.
- A color trend arc showing the gas pressure status on the main line and at each bank
- Optional- display of heaters during idle and active states.
Heaters activated during manifold operation*.
- Automatic adjustment of screen brightness (day & night mode).
- Log History File- Event logging, recording all alarms and panel activities.
- Periodical maintenance alert.
- Commissioning- Pressure test.
- Customizable text & language.
- Test & mute buzzer buttons.
- Advanced Communication:
 - TCP/ IP Modbus
 - Remote monitoring through building management system available.
 - Option for remote viewing through mobile device or remote computer.

Silbermann's Quality Management System:

- EN ISO 13485-2016
- ISO 9001-2015



* Available according to customer's request.

Mazor-XT (Touch Screen) Fully Automatic Medical Gas Manifold

Medical Gas Pipeline

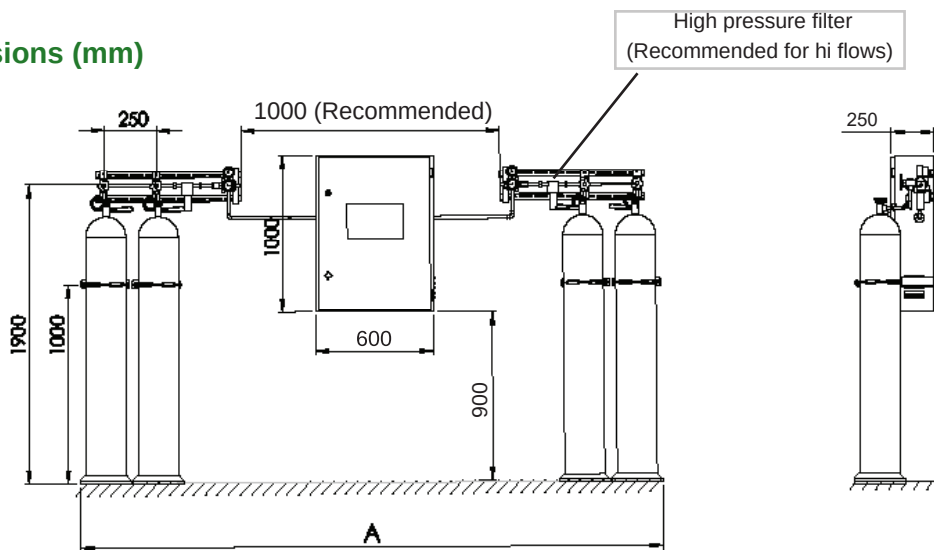


Specifications

- Display: 12" HD LCD touch screen
- Cabinet with door:
 - Material - Glavanized steel
 - Dimensions – 60x100x25 cm
 - Finish – baked on powder coated
- Piping System: All materials are oxygen compatible and cleaned for oxygen use.
- Changeover Unit: Pneumatic.
- Flow Capacity*: 4 Bar- 130 m³/hr.
- Power Supply: 110-220V, 60-50Hz.
- Each cylinder station includes a HP valve, pig tail with integrated NRV and a secure chain.
- Electrical power supply unit installed on the external side of the cabinet. The unit enables connection of 2 supplies:
 - Supply from the mains / essential / UPS
 - Supply from batteries (Optional)
- Output connections for area alarms: Two sets of dry contacts NO/ NC.
- Connection: TCP/ IP modbus.
- Optional:
 - Heaters (for N2O or CO2).
 - Bank heavy duty high pressure filters.



Dimensions (mm)



Number of Cylinders*	Min Overall Length-A [meter]**
2X1	1.7
2X2	2.2
2X3	2.7
2X4	3.2
2X5	3.7
2X6	4.2
2X8	5.2
2X10	6.2
2X12	7.2

* Cylinders aren't included. Additional number of configuration available.

** Overall length without high pressure filters or heaters installation.

With installation of high pressure filters or heaters from both sides, add 0.3 meter to the overall length (A) in the table.

NOTES:

1. When ordering:
 - Indicate the required type of gas and pigtail connections. Otherwise CGA connections shall be supplied.
 - Indicate the required MGPS Std (NFPA99/ ISO7396/ HTM 02-01/ G0-1)
2. The system is supplied with a line safety valve.

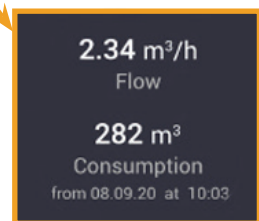
Distributed By:

Manifold System Consumption Meter with 3 Valve Bypass (Optional)

The manifold system consumption meter with 3 valve bypass facilitates the monitoring and management of gas consumption at both department and hospital level. Additionally, it can detect gas distribution leaks.

The kit includes three ball valves, a flow and consumption meter, and a sensor that transmits the data to the manifold's touchscreen panel.

The consumption meter with bypass, can be installed inside a new manifold system and can also be integrated into an existing one.



Features & Benefits

- Accurately measuring the medical gas consumption for each department and determining the amount required for each hospital service.
- The data is displayed on the touch screen panel located on the door of the changeover unit box.
- It can be read remotely via web browser or building management system.
- Integrating the kit into an existing manifold system does not require an external consumption meter or additional manifold's touchscreen panel, providing a cost-effective solution.
- Allows health facilities to manage the medical gas supply budget efficiently.
- Provides insight into the hours of high and low usage.
- Facilitating leak detection.
- Enable measurement of consumption starting from a specified moment in time by resetting the device.
- Includes 3 valves bypass - for easy maintenance.
- Memorized consumption for the past 6 month's.
- Suitable for a wide variety of manifold systems.



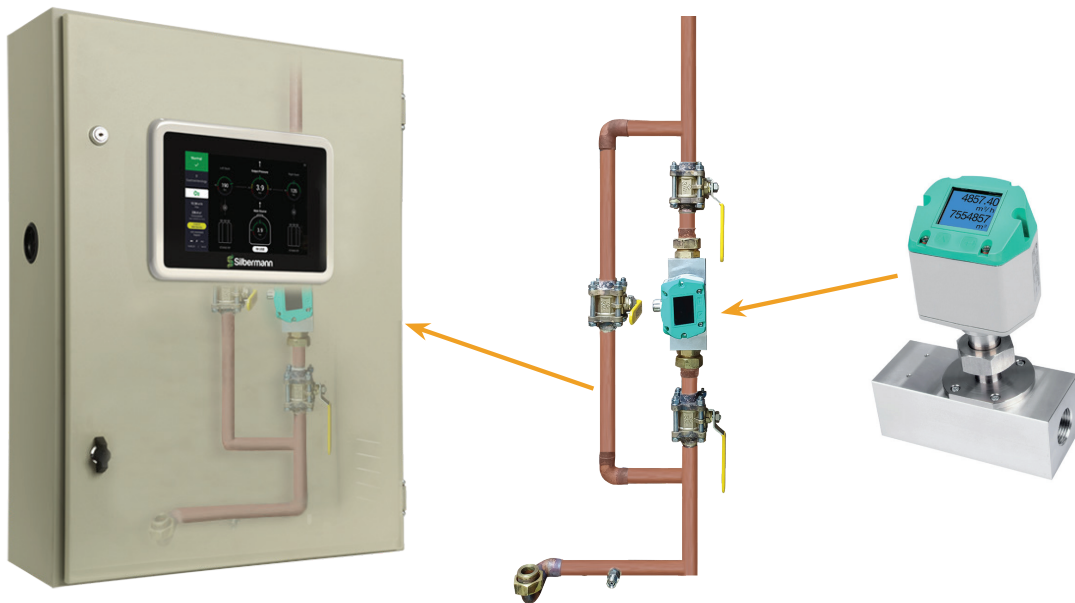
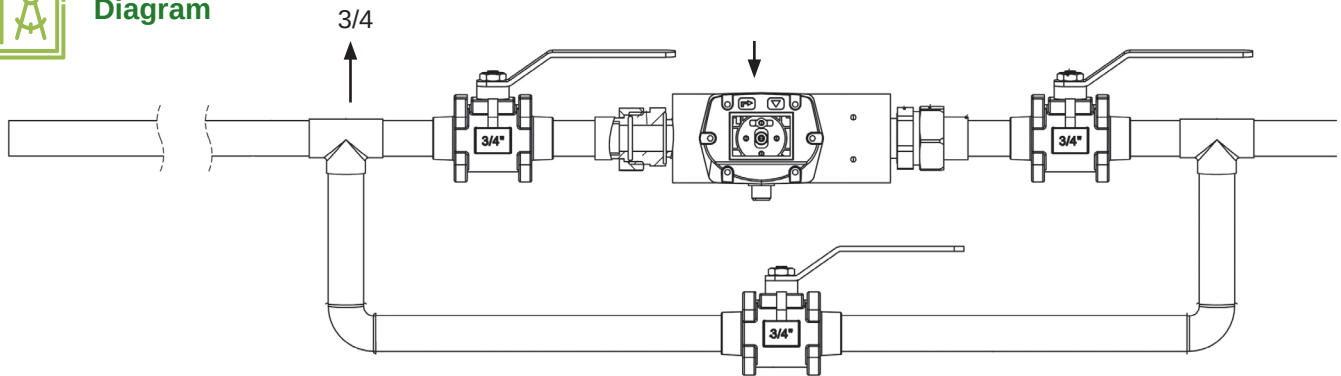
Technical Specification

- Flow: up to 170 m³/h / 2830 lpm
- Gas type: Oxygen, Medical Air, N₂O or N₂*
- Displayed units:
 - Flow: m³/h, m³/min, liter/h, liter/min, ft³/h, ft³/min
 - Consumption: ft³, m³, liter.

* Other types of medical gas are available according to customers' request.



Diagram



Name	Catalogue No.
Bypass consumption meter assembly	7086154k1