

Ambulance Oxygen Delivery System - Manual Changeover

The Ambulance Oxygen Delivery system is a vital component of emergency medical services, enabling a continuous flow of oxygen to patients in need during transport to medical facilities.

Delivery System for 2 cylinders

The system manages 2 sources and ensures a continuous supply, with manual switching between the left and right sources.

A touchscreen control alarm panel monitors the gas pressure in each cylinder and shows/alerts the medical staff in case of a pressure drop.

Oxygen outlets enable easy and safe connection to the system, and ensure a constant and reliable oxygen flow for the patient.

A pressure gauge monitors the line pressure to ensure optimal system performance.



Highlights

- **Manual switchover** between left and right cylinders via a control knob ensures a consistent and dependable oxygen supply.
- **Medical Gas outlets type:**
Sil-Ohio, ENV 737-6, Puritan Bennett type, DIN, British standard, DISS*.
- **Control Alarm panel monitor highlights:**
 - Presenting actual time left for treatment (in minutes) based on preset flow rate parameters.
 - Visual & audio alarm signals in case of low pressure.
 - 10.1" full HD LCD touchscreen - graphically and digitally displaying the cylinder gas pressure, alerting in case of a pressure drop.
 - Periodical maintenance alert.
 - Gas expiration date alert - an alert for the medical gas cylinder expiration date.
- Log History File- Event logging, recording all alarms and panel activities.
- Customizable text & language.
- A color trend arc showing the gas pressure status at each cylinder.
- Automatic adjustment of screen brightness (day & night mode).
- Advanced Communication: TCP/ IP Modbus.
- **SMS and E-mail alert** when oxygen pressure reduces to a pre-set level - **optional**.
- Tailor made installation.

Applicable Standards:

- ISO 10524, EN-1789, NFPA 1917

Silbermann's Quality Management System:

- ISO 9001-2015
- ISO 13485-2016



* The quantity and types of oxygen gas outlets are available based on customer requirements.

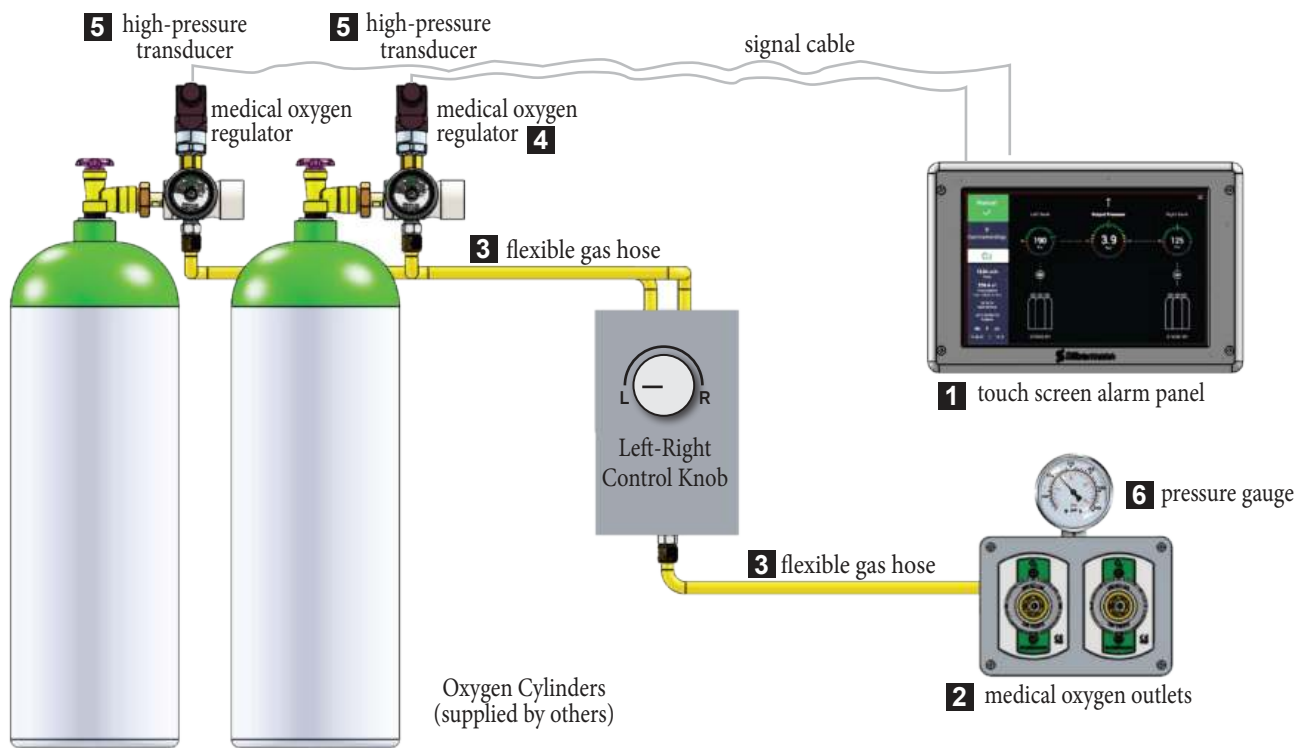
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Diagram



Specifications:

- Gas sensors/Pressure 4-20 mA transmitters.
- Oxygen Pressure Regulators**:
 - Input pressure: up to 200 bar
 - Output pressure: 3.5-4 bar (Regulated pressure)
 - Flow rate capacity of up to 100 liters per minute.
- Flow selector 0-25 lpm - optional
- Power Requirements:
 - Voltage: 12V DC supplied from Ambulance Electrical Supply Power.
 - 5A Slow Blow fuse 5x20mm.

* Other types of oxygen gas outlets and adapters are available according to customers' request.
 ** Oxygen regulator with CGA 540 connector - optional

System Components:

Number of component	Description of component
1	10.1" full HD LCD touchscreen
2	Medical Gas outlets: Sil-Ohio, ENV 737-6, PB, DIN, BS, DISS*
3	Flexible gas hoses
4	Medical Oxygen Regulator
5	High Pressure Transducer (Gas sensors)
6	Pressure Gauge

How to order:

- Specify the type and number of medical gas outlets required.
- Indicate the required gas cylinder connection, otherwise G 3/4 connections shall be supplied.
- Additional secondary equipment: Flowmeters, Flow selectors, Suction units, shall be ordered separately.