Ambulance Oxygen Delivery System for 2 Cylinders

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 provides continuous supply and smooth automatic switchover between the sources.
A touchscreen 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.

Highlights

- **Automatic changeover between cylinders** to ensure continuous and reliable oxygen flow.

- **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 in change between cylinders.
  - 10.1" full HD LCD touchscreen - graphicly and digitally displaying the cylinder gas pressure and output pressure, alerting in case of a pressure drop.
  - Graphically & digitally display of the actual status of each source - "In use" or "Stand by".
  - Periodical maintenance alert
  - Advanced Communication: TCP/ IP Modbus.
  - Leak detection from cylinders.

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

- 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 on the main line and at each cylinder.

- Automatic adjustment of screen brightness

- **Web remote view on the Internet:**
  online view accessible via a web browser. This website allows authorized users to remotely access and view the data in real-time - **optional**

- **Additional data:** GPS data showing the current location of each ambulance by its number - **optional**

- **SMS alert** when oxygen pressure reduces to a pre-set level - **optional**

- **4G modem installed** - **optional**

Applicable Standards:
- ISO 10524, EN-1789, NFPA 1917

Silbermann's Quality Management System:
- ISO 9001-2015
- ISO 13485-2016

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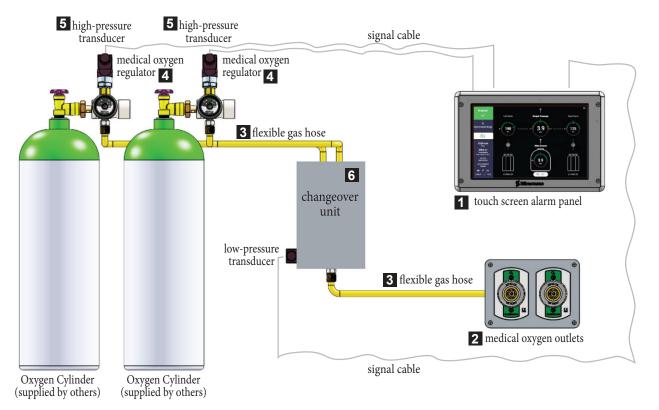E-Mail: info@silbermnn.com, www.silbermnn.com

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Diagram

5 high-pressure transducer   **5** high-pressure transducer   signal cable

4 medical oxygen regulator   **4** medical oxygen regulator

3 flexible gas hose

6 changeover unit

low-pressure transducer

1 touch screen alarm panel

3 flexible gas hose

2 medical oxygen outlets

signal cable

Oxygen Cylinder (supplied by others)   Oxygen Cylinder (supplied by others)

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
- 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

Item No.	Item description	Catalog No.
1	Xanadu/Mazor Alarm panel with changeover unit	7350400
2 **3**	A pair of Sil-Ohio/ENV* oxygen gas outlets with flexible hose	3725300
4	Oxygen regulator with 3/4G connection**	1503445 (X2)
	Flow selector 0-25	4501121

How to order

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

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