

Ambulance Oxygen Supply and Management System

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

Supply 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.
- Visual & audio alarm signals in case of low pressure in change between cylinders
- 10.1" full HD LCD touchscreen - graphically and digitally displaying the cylinder gas pressure and output pressure, alerting in case of a pressure drop.
- SMS alert when oxygen pressure reduces to a pre-set level - optional.
- Medical Gas outlets type:
Sil-Ohio, ENV 737-6, Puritan Bennett type, DIN, British standard, DISS*.
- Periodical maintenance alert.
- Gas expiration date alert - an alert for the medical gas cylinder expiration date.
- Leak detection from cylinders.
- Log History File- Event logging, recording all alarms and panel activities.

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.

Additional data: GPS data showing the current location of each ambulance by its number.

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

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Ambulance Oxygen Supply and Management System

Oxygen & Suction Therapy



Advanced Features

- Customizable text & language.
- Graphically & digitally display of the actual status of each source - "In use" or "Stand by".
- The Visual & audio alarm signals in case of low pressure in change between cylinders are:
 - Low pressure
 - High pressure
 - Below minimum
- 4G modem installed.
- Advanced Communication:
TCP/ IP Modbus
- A color trend arc showing the gas pressure status on the main line and at each cylinder.
- Automatic adjustment of screen brightness (day & night mode).

Applicable Standards:

- ISO 10524, ISO 5359, EN-1789, NFPA99, NFPA 1917, EN ISO 7396

Silbermann's Quality Management System:

- ISO 9001-2015
- ISO 13485-2016



System Components:

- 10.1" full HD LCD touchscreen.
- Medical Gas outlets
Sil-Ohio, ENV 737-6, PB, DIN, BS, DISS*.
- 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.
- Flexible gas hoses
- Automatic Changeover unit including manual bypass.
- Flow selector 0-25 lpm
- Control card/PCB

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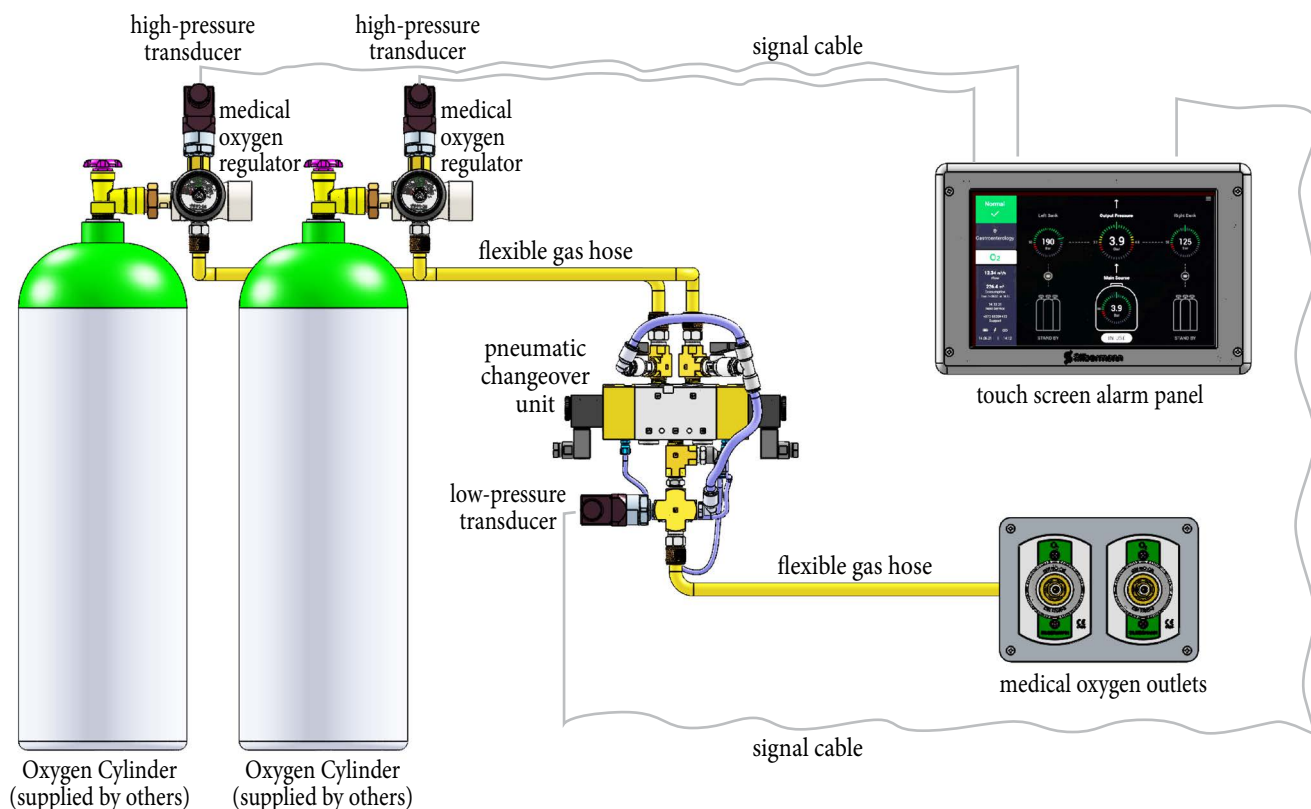
 **Silbermann**
Medical Gas Systems Since 1950

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Diagram



How to order

- Specify the type and number of medical gas outlets required.
- Indicate the required gas cylinder connection, otherwise G3/4 connections shall be supplied.
- Additional secondary equipment: Flowmeters, Flow selectors... shall be ordered separately.

Item description	Catalog No.
Pressure Display Set with switch over unit	7350400
A pair of Din/Sil-Ohio/ENV* oxygen gas outlets with flexible hose	3725300
Oxygen regulator with 3/4G connection**	1503445 (X2)
Flow selector 0-25 Sil-Ohio	4501121

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** Oxygen regulator with CGA 540 connector - optional

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