

Multi Stretcher Oxygen Delivery System

The Multi Stretcher Oxygen Delivery System plays a critical role in emergency medical services by ensuring a continuous oxygen supply to multiple patients during transport to healthcare facilities.

ODS with a 2 source Manifold System

The system manages 2 sources and provides continuous supply and smooth automatic bank changeover by means of pneumatic shuttle valve.

All medical gas information is displayed graphically and digitally on a 12" full HD LCD touch screen located on the wall inside the bus. This touchscreen control panel monitors the gas pressure in each bank and shows/alerts the medical staff in case of a pressure drop.

Oxygen outlets are mounted on the interior wall of the bus, with two outlets positioned near each stretcher. enable easy and safe connection to the system, and ensure a constant and reliable oxygen flow for the patients even during hours of high demand when all outlets are actively



Highlights

- Continuous supply and smooth automatic bank changeover, without pressure fluctuation, by means of pneumatic shuttle valve.
- Maintenance-friendly design – Each manifold, accommodating six 10L cylinders, ensuring easy access for maintenance and refilling.
- 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 change between banks, "Below min" and High/Low line supply pressure.
- Medical Gas outlets type*: Sil-Ohio, ENV 737-6, Puritan Bennett type, DIN, BS, DISS, AGA.
- Gas expiration date alert - an alert for the medical gas cylinder expiration date.
- Leak detection from manifolds on Stand-By mode.
- Log History - Event logging, recording all alarms and maintenance activities.

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

Web remote view on the Internet - optional
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 bus by its number. - **optional**

Consumption meter - optional

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

Multi Stretcher Oxygen Delivery System

Emergency Medical
Services



System Components:

- 12" full HD LCD touchscreen.
- up to 20 Medical Gas outlets**: Sil-Ohio, ENV 737-6, PB, DIN, BS, DISS, AGA
- Gas sensors/Pressure 4-20 mA transmitters.
- All materials are oxygen compatible and cleaned for oxygen use.
- Fully Automatic Changeover unit including manual bypass.
- Each cylinder station includes a HP valve, flexible stainless still pig tail with integrated NRV and a secure chain.
- Oxygen High pressure regulator (primary regulators for manifold cylinders):
 - Input pressure: up to 200 bar
 - Output pressure: 11 bar (Regulated pressure)
 - Flow rate capacity of up to 100 liters per minute.
- Oxygen Line pressure regulators (change over unit regulators):
 - Input pressure: 11 bar
 - Output pressure: 4 bar
- When all gas outlets are actively delivering oxygen, the pressure remains stable between 3.5 - 4 bars.

Power Requirements

- Voltage: 12V DC supplied from Ambulance Bus Electrical Supply Power.
- 5A Slow Blow fuse 5x20mm.

Applicable Standards:

- ISO 10524, EN-1789, NFPA 1917

Silbermann's Quality Management System:

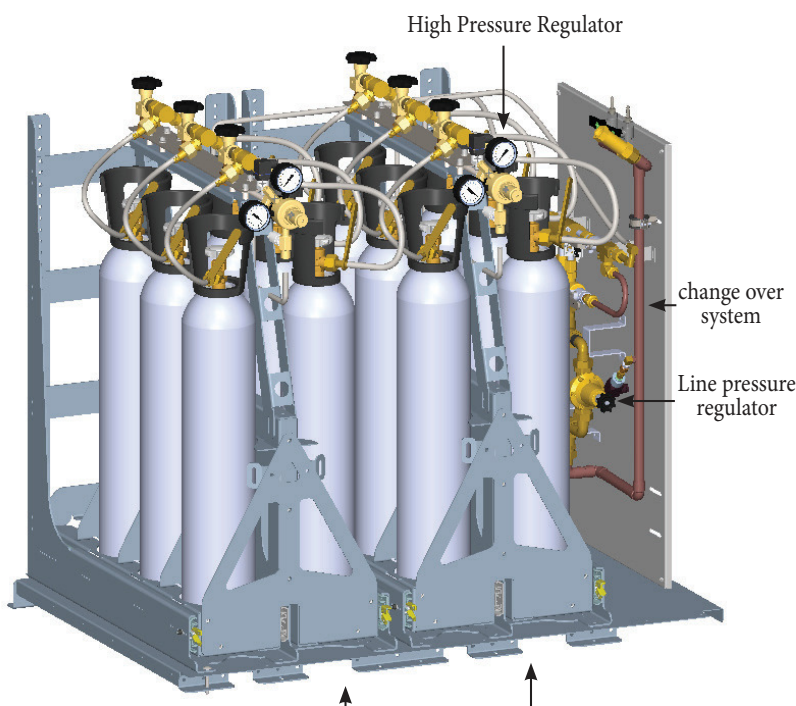
- ISO 9001-2015 ■ ISO 13485-2016



Special illustration from a customized solution



Catalogue Number



The image is for illustration purposes only and showcases a customized solution for one of our customers, featuring Silbermann's Manifold System integrated into a pull-out drawer with six cylinders for convenient maintenance and refilling. Silbermann supplied the manifold system only.

Description	Catalog No.
Multi Stretcher ODS	7350430

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.



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



System Diagram

