



OXYMOBILIZER

Portable Medical Oxygen Generation System

INTRODUCING: THE OXYMOBILIZER

¹¹Revolutionizing Portable Oxygen Generation for Critical Applications¹¹



In the ever-evolving landscape of medical and military technology, there exists a paramount need for innovation, adaptability, and efficiency. It is with this imperative in mind that we proudly present the **OXYMOBILIZER**, a groundbreaking solution designed to redefine the paradigm of portable medical oxygen generation.

In critical situations, whether on the battlefield, in remote healthcare facilities, or during emergency response missions, the availability of a reliable and easily transportable oxygen source can be a matter of life and death. The **OXYMOBILIZER** emerges as a pivotal advancement in this realm, offering a cutting-edge solution meticulously crafted to meet the most stringent requirements of military and other applications where portable oxygen is an absolute necessity.

With its ingenious engineering, compact design, and user-friendly interface. the **OXYMOBILIZER** stands as a testament to the fusion of technology and life-saving capabilities. *This innovative unit represents the future of portable medical oxygen generation, setting new standards for accessibility, mobility, and reliability in situations where **every** second counts.*

OXYMOBILIZER DATA SHEET



OXYGENIUS PSA

The intelligence behind oxygen generation

Oxygen Purity	93% +/- 1o/o
Outlet Pressure	4BARG

Flow 1.6 M3/H

Free Air Delivery	041 M3/MIN
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Weight CCA 200KG

O2 Tank 90L

Filters pack

Medical Sterile filter

OXYCOMPRESS ELITE

Compressing clean air into life-supporting oxygen

Working pressure	6-8 BARG
Nominal voltage	3 X 400V, 50Hz
Capacity@ 6 bar	235 L/MIN 0.235M3/MIN

Rated current **5.8A**

Motor power **2.2 KW**

Air tank volume **50L**

Noise level @ 5 bar **56 DB**

PDP Drying
Performance @ 7 bar **-20C**

OXIMOBILIZER DATA SHEET

TOUCH CONTROL HUB

Siemens S71200 PSA Monitoring system with 7" display

KEY FEATURES AND BENEFITS

- **Inlet Pressure Control:** Adapts to varying input pressures for versatility.
- **Inlet Dew Point Measurement:** Ensures consistent oxygen purity by monitoring moisture content in incoming air.
- **Inlet Temperature Monitoring:** Maintains efficient operation by adjusting to ambient temperature changes.
- **Column Tanks Pressure Control:** Manages tank pressure for optimal oxygen production.
- **Purity Level Assessment:** Continuously checks oxygen purity for medical standards compliance.
- **Auto Purity Control:** Automatically adjusts the process to maintain consistent purity.
- **Outlet Pressure Regulation:** Supplies oxygen at a controlled, safe pressure.
- **Precise Flow Management:** Allows adjustable oxygen flow rates for precise delivery.
- **Extra Quiet Operation:** Operates silently in healthcare and military settings.
- **Auto Restart Functionality:** Resumes operation after power interruptions.
- **Remote Monitoring Capability:** Enables real-time control and oversight.
- **Intelligent Auto Shutdown:** Safely shuts down in case of anomalies or malfunctions.



FILLMASTER 200

Filling cylinders at 200 bar pressure

Flow	<i>1.4 NM3/h</i>
Pressure	<i>200 bar</i>
Inlet pressure	<i>4barg</i>
Weight	<i>95KG</i>
SINGLE PHASE	
OIL FREE DESIGN	



OXYMOBILIZER

QUALITY CERTIFICATIONS

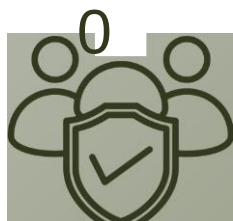


ISO

13485



SAFETY INFORMATION



Our OXYMOBILIZER, a state-of-the-art portable oxygen unit, upholds the highest standards of quality control. Each of its components undergoes rigorous quality checks to ensure optimal performance and reliability.

Our commitment to traceability means that every component can be tracked, assuring accountability and transparency in the manufacturing process.

Mechanical safety features, including safety valves, provide an additional layer of protection, while our cutting-edge software safety mechanisms act proactively to preempt potential issues before they become critical, ensuring the safety and well-being of users are paramount.

What's more, the OXYMOBILIZER is designed with a focus on easy operation and maintenance, making it user-friendly and cost-effective. It embodies our dedication to quality, safety, and innovation in portable oxygen solutions.

OXYMOBILIZER

APPLICATIONS

The OXYMOBILIZER emerges as the quintessential solution for an array of critical scenarios. This portable medical oxygen generator transcends boundaries and stands as a lifeline in numerous settings, offering an indispensable resource that knows no bounds.

Here's how the Oxymobilizer proves its utility across diverse scenarios:



Ensuring military personnel have access to oxygen in field hospitals or remote deployments, where medical facilities may be limited.



Equipping ambulances with portable oxygen systems to stabilize patients during transport to the hospital.



Supporting workers in remote locations, such as mines, construction sites, or offshore platforms, where medical facilities are not readily available.



Providing oxygen for search and rescue teams involved in missions in high-altitude or hazardous environments.



Equipping emergency response vehicles, such as firetrucks and police cars, with portable oxygen systems to assist victims during crises.



Supplying oxygen for divers or underwater workers to extend the time they can spend underwater and ensure their safety.