

# MEDICAL OXYGEN GENERATING SYSTEM (MOGS-50/100)

## Convenient Onsite Oxygen Production and Cylinder Filling

The **OGSI MOGS-50/100** Medical Oxygen Generating System has been designed to produce oxygen onsite and fill high pressure oxygen cylinders. The system produces Medical Grade Oxygen in accordance with the USP specifications (see reverse). There is a continuous gas quality monitoring system included with automatic shutdown if a fault occurs.

## Cost Reduction

This system will reduce oxygen supply costs by 80% or more in most cases. Less than 1 Kilowatt-Hour (KWH) of energy is required to fill one 'M'-size oxygen cylinder and all delivery and handling charges from your current supplier are eliminated.

## Disaster Preparedness

By making and filling cylinders at your site the uncertainty and logistics of delivered oxygen supplies are eliminated. With this system in place care providers are also assured that in the event of a disaster their oxygen supply chain will not be in jeopardy. The system itself can also be transported for use at a disaster site. It can be moved by truck and fits easily through a standard 36" wide doorway.

## Typical Customers

Typical customers for this system include Fire Stations, Ambulance Services and other EMS providers. It can also be used by Hospitals, Clinics, Nursing Homes and Veterinary Centers.

## Features

- E-Stop button
- PLC controller with NEMA 4 electrical enclosure and UL® listed electrical panel
- Touchscreen operator interface panel
- Two H size oxygen cylinders installed in an integral rack
- Sound attenuating enclosure with slam-action latches and lift-off hinges
- Two position containment fill station accommodates oxygen cylinders up to 31" overall length

## Options

- Remote fill hose reel with 75 feet of high pressure 3000 psi hose for re-filling cylinders on ambulance without having to remove them



OGSI MOGS-50/100



Dual Fill Containment



Reserve Cylinders

	MOGS-50	MOGS-100	Size	Cylinders Per Day
Fill up to	80	160	D	cylinders per day
Fill up to	50	100	E	cylinders per day
Fill up to	9	18	M	cylinders per day
Fill up to	5	10	H/K	cylinders per day

PRODUCT DATA SHEET

Oxygen Generating Systems Intl.

## 93% Oxygen Safe for Medical Use

OGSI equipment is fabricated in accordance with all relevant codes (ASME, ANSI, NEMA, CE), and can be configured to meet CRN and CSA standards. Oxygen produced meets the United States Pharmacopeia (USP) XXII Oxygen 93% Monograph.

### Additional References:

CSA Z305.6-92

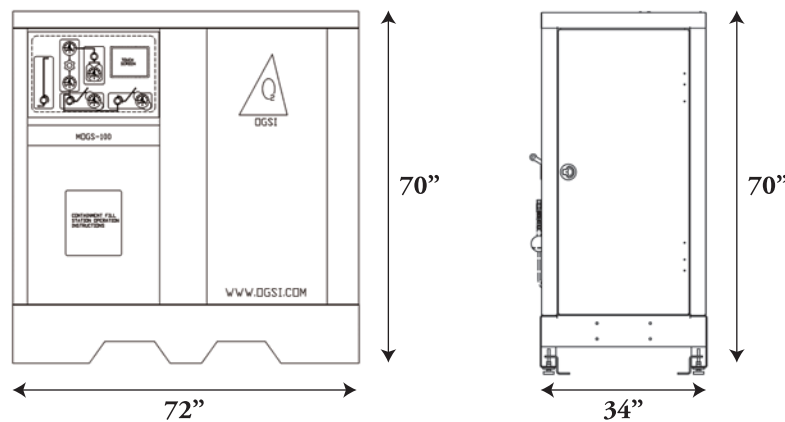
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### OXYGEN 93 PERCENT

**USP requirements: Oxygen 93 Percent USP**—Preserve in cylinders or in a low pressure collecting tank. Containers used for Oxygen 93 Percent must not be treated with any toxic, sleep-inducing, or narcosis-producing compounds, and must not be treated with any compound that will be irritating to the respiratory tract when the Oxygen 93 Percent is used. It is Oxygen produced from air by the molecular sieve process. Where it is piped directly from the collecting tank to the point of use, label each outlet "Oxygen 93 Percent." Contains not less than 90.0% and not more than 96.0%, by volume, of oxygen, the remainder consisting mostly of argon and nitrogen. Meets the requirements for Identification, Odor, Carbon dioxide (not more than 0.03%), and Carbon monoxide (not more than 0.001%).

## Unit Dimensions



## Model MOGS-100 and MOGS-50 Specifications

Product Gas:	MOGS-100	MOGS-50
Oxygen Quality	Medical Grade - Conforming to USP for 'Oxygen 93 Percent'	
Oxygen Concentration	93%±3%	
Carbon Dioxide Limit	≤ 300 ppm	
Carbon Monoxide Limit	≤ 10 ppm	
Oxygen Dewpoint	-60°F (-51°C)	
Oxygen Flow Rate	100 Standard Cubic Feet * per Hour (SCFH) (50 LPM)	50 SCFH (25 LPM)
Oxygen Pressure	High Pressure (Cylinder Filling) up to 2200 psig (151 bar) Low Pressure (Direct Supply) up to 70 psig (4.8 bar)	
<b>System Operation:</b>		
Power Supplies	1 Phase, 230 VAC, 20 Amps, 50/60 Hz	
Noise Level	65 dB at 1 meter	
<b>Measurements:</b>		
Box Dimensions	34"D x 70"H x 72"L / 86cm D x 178cm H x 183cm L	
Weight	2550 lbs.	2200 lbs.



814 Wurlitzer Drive • North Tonawanda, New York 14120 USA  
1-800-414-OGSI(6474) • Phone 716/564-5165 • Fax 716/564-5173  
A Division of Audubon Machinery Corporation [www.ogsi.com](http://www.ogsi.com)

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