

**WEGO**

## Modular Medical Molecular Sieve Oxygen Generation System



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## Weigao Group Introduction

The Weigao Group was founded in 1988, a leading medical device manufacturer and has been ranked Top 500 enterprises in China. The Weigao Group covers a manufacturing area of 6,000,000 square meters including sterilized workshops with an area of 2,600,000 square meters that comply with GMP standards. It has 60 subsidiaries and has more than 30,000 employees. It currently produces more than 500 types of medical products with more than 80,000 specifications.

The Weigao Group obtained the certifications of CE, ISO9000, ISO13485, China Compulsory Certification, and products registration of FDA 510K from Food and Drug Administration (FDA). The award accredited to testing and inspection center of the company is also the only certification issued by China National Accreditation Board for Laboratories in industry.

As a professional manufacturer of medical Oxygen generator, the Weigao Group is a leader and pioneer company in the design and manufacture of modular combination oxygen generation system.

It offers a wide range of oxygen generator, up-to-date design in compliance with high-quality standards and providing a safe and continuous oxygen supply to all types of hospitals and clinics.

## Superior Quality

It is managed by professionals from various backgrounds of medicine and academic research.

A major technical expertise and decades of experience ensure our clients to get the most reliable and safe solutions on market.

## Innovations

Our engineering team and after-sales department are working with you at every step of your project and are available to give you best solution and support for any technical issues.

We provide training free of charge to our clients in our facility.

We are committed to providing the highest level of customer service, competitive pricing, speedy delivery and a comprehensive, cutting-edge product offering.

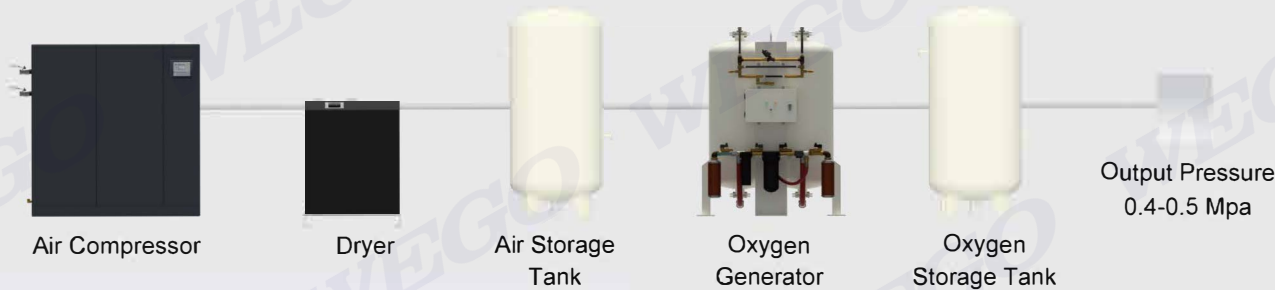
Our ultimate goal is your satisfaction.



# Modular Medical Molecular Sieve Oxygen Generation System

WEGO offers a wide range of oxygen generation systems using PSA technology, all designed in compliance with the most demanding medical standards and providing a safe and continuous oxygen supply to all types of healthcare facility.

The oxygen generation system is mainly composed of oxygen generation modules, booster module and control system.



Plant-type Oxygen  
Generation System

Modular Oxygen  
Generation System

## Modular design

Each module works independently

## Intelligent control system

Safe and reliable

## Built-in Oxygen Storage Tank

Easy to install

## Combined Structure

Flexible to expand



Output Pressure  
Up to 0.7Mpa available to  
supply oxygen for hyperbaric  
oxygen chamber

Medical Molecular Sieve  
Oxygen Generation System-N Series



Main Technical Parameters

Model	Oxygen Flow(m <sup>3</sup> /h)	Overall Dimension(mm)	Power/ Voltage (VA/V)	Storage Tank (L)	Bed Num
WGZY-1.2-N	1.2	950×668×1600	1800/220	110 (Built-in)	20-40
WGZY-2.0-N	2	950×668×1600	2400/220	140 (Built-in)	40-60
WGZY-2.5-N	2.5	1155×668×1980	3000/220	200 (Built-in)	60-80
WGZY-3.0-N	3	1155×668×1980	3600/220	200 (Built-in)	80-120
WGZY-5.0-N	5	1155×668×1980	6000/220	600	120-180
WGZY-6.0-N	6	1155×668×1980	7200/220	600	150-200

Note: The oxygen storage tank can be configured according to the actual situation, and the number of beds is only for reference, please follow to the actual oxygen consumption of the hospital.

Main Technical Parameters

Model	Oxygen Flow(m <sup>3</sup> /h)	Overall Dimension(mm)	Power/ Voltage (VA/V)	Storage Tank (L)	Bed Num
WGZY-10.0-N	10	(1155×668×1980) ×2	12000/380	1000	200-300
WGZY-12.0-N	12	(1155×668×1980) ×2	14400/380	1000	250-350
WGZY-18.0-N	18	(1155×668×1980) ×3	21600/380	3000	300-400
WGZY-24.0-N	24	(1155×668×1980) ×4	28800/380	4000	400-500
WGZY-30.0-N	30	(1155×668×1980) ×5	36000/380	4000	450-600

Note: The oxygen storage tank can be configured according to the actual situation, and the number of beds is only for reference, please follow to the actual oxygen consumption of the hospital.



Medical Molecular Sieve  
Oxygen Generation System-P series



Main Technical Parameters

Model	Oxygen Flow(m <sup>3</sup> /h)	Overall Dimension(mm)	Power/ Voltage (VA/V)	Storage Tank (L)	Bed Num
WGZY-5.0-P	5	1170×750×1995	5800/380	250 (Built-in)	120-180
WGZY-10.0-P	10	1170×750×1995	11200/380	2000	200-300

Note: The oxygen storage tank can be configured according to the actual situation, and the number of beds is only for reference, please follow to the actual oxygen consumption of the hospital.

Main Technical Parameters

Model	Oxygen Flow(m <sup>3</sup> /h)	Overall Dimension(mm)	Power/ Voltage(VA/V)	Storage Tank (L)	Bed Num
WGZY-20.0-P	20	(1170×750×1995) ×2	22400/380	3000	300-450
WGZY-30.0-P	30	(1170×750×1995) ×3	33600/380	4000	450-600
WGZY-40.0-P	40	(1170×750×1995) ×4	44800/380	5000	600-800
WGZY-50.0-P	50	(1170×750×1995) ×5	56000/380	6000	800-1000

Note: The oxygen storage tank can be configured according to the actual situation, and the number of beds is only for reference, please follow to the actual oxygen consumption of the hospital.

## Feature



1

### Modular and compact design

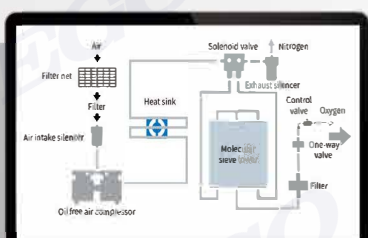
Low energy consumption  
N series: less than 1.3 KW.h/m<sup>3</sup>  
P series: less than 1.0 KW.h/m<sup>3</sup>



2

### High-performance vibration and noise reduction technology

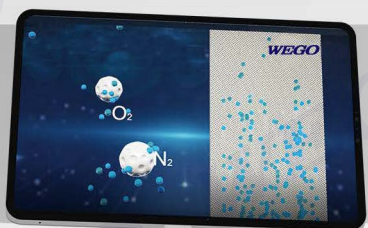
Low noise



3

### Unique oxygen separation technology

Oxygen purity up to 93%±3%  
in 3 mins after starting up



4

### Lithium molecular sieve

High adsorption efficiency  
stable and long-lasting

### Oil-free air compressor

Easy to maintenance  
High efficiency and energy saving

5



### Combined structure

Flexible expansion Space saving

6



### Max.output pressure up to 0.7Mpa

Supply to hyperbaric oxygen chamber directly

7



### Intelligent remote monitoring

Ensure oxygen supply safety

8





## Containerized Oxygen Generation System

### Main feature

- Customized container
- Applicable to plateau, outdoor and other places
- Plug&Play installation
- Convenient to transfer

### Application

Hospital, Emergency rescue, Plateau dispersion



Easy to install



Small footprint



High security



High flexibility

### Main technical parameters

Model	Overall Dimension	Suitable Oxygen Generation System
FC-20	6096×2438×2591mm	Below 30 Nm <sup>3</sup> /h
FC-40	12192×2438×2591mm	Below 50 Nm <sup>3</sup> /h

More sizes can be customized according to actual needs



## Remote monitoring system

- Remote the machine working status in real-time by mobile phones&computer
- Abnormal data alarm and maintenance information can be notified by SMS or Wechat



Oxygen Concentration



Oxygen Pressure



Instantaneous Flow



Running Data



Fault Alarm



Maintenance Tips



## After-sales service

- Provide tailor-made medical oxygen plans based on a comprehensive analysis of the medical oxygen consumption of each healthcare facility
- Provide layout technical recommendations and ongoing support for the installation and operation
- Provide training free of charge to our clients
- Remote monitoring system center ensure oxygen supply in safe



## Installation Cases

