

## Electric Medical Oxygen Concentrator 5L High Concentration Household Oxygen Generator

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: SS
- Certification: CE,ISO13485,SGS ,FCC,RoHs
- Model Number: Y-509W
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: OPP packing ,1pcs per Carton. Carton size:540\*370\*695mm,Gross Weight:21kgs.
- Delivery Time: 7-10 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 1000pcs



### Product Specification

- Display Control: LCD Screen
- Color: Black
- Product Name: Oxygen Concentrator For Medical & Home Use
- Oxygen Concentration: 93%  $\pm$ 3%(1L/min)
- Power Source: Electric
- Oxygen Flow: 10L/min Adjustable
- Safety Standard: GB/T 18830-2009
- Highlight: **Medical Oxygen Concentrator 5L, Electric Medical Oxygen Concentrator, High Concentration Household Oxygen Generator**



### More Images



## Product Description

### Medical Grade 5L High Concentration Household Oxygen Generator For The Treatment Of Elderly And Children

A medical oxygen concentrator is a medical device that concentrates and purifies oxygen from the surrounding air, delivering it to individuals who require supplemental oxygen as part of their medical treatment. It's designed to be a safe and effective solution for oxygen therapy at home.



#### How does an oxygen generator generate oxygen?

**Air intake:** The POC draws in ambient air from the surroundings using a built-in compressor. This air contains approximately 21% oxygen, along with other gases like nitrogen, carbon dioxide, and trace elements.

**Filtration:** The incoming air passes through a series of filters to remove impurities, dust, and other particulate matter. These filters ensure that the air entering the concentrator is clean and free from contaminants that could affect the user's health.

**Compression:** The filtered air is then compressed using a compressor. The compressor increases the pressure of the air, allowing it to be more efficiently processed in subsequent stages.

**Sieve bed adsorption:** The compressed air is directed into a molecular sieve bed, which is typically filled with a material called zeolite. Zeolite has the ability to selectively adsorb nitrogen from the air while allowing oxygen to pass through. As a result, the nitrogen is trapped within the sieve bed, and the oxygen is concentrated.

**Oxygen collection:** The concentrated oxygen is collected and directed into a reservoir or storage chamber. This reservoir acts as a buffer, ensuring a continuous and stable supply of oxygen even when the user inhales rapidly or the demand fluctuates.

**Oxygen delivery:** The concentrated oxygen is delivered to the user through a nasal cannula or a mask. The user can breathe in the enriched oxygen, which helps to increase the oxygen levels in their bloodstream.

**Waste gas release:** The nitrogen and other waste gases that were adsorbed by the sieve bed during the adsorption process are released back into the environment. This allows the concentrator to continue functioning and producing concentrated oxygen.



### Some of the benefits of using a medical oxygen concentrator for oxygen therapy at home include:

**Convenience:** Medical oxygen concentrators are designed to be used at home and provide a continuous supply of oxygen, eliminating the need for regular trips to a healthcare facility.

**Efficiency:** Medical oxygen concentrators are an efficient way to provide oxygen therapy since they do not require the use of bulky and heavy oxygen tanks.

**Cost-effective:** Medical oxygen concentrators can be more cost-effective than other forms of oxygen therapy since they do not require frequent refilling or replacement of oxygen tanks.

**Improved quality of life:** Supplemental oxygen therapy can improve quality of life for individuals with respiratory conditions by reducing symptoms such as shortness of breath, fatigue, and difficulty sleeping.

**Safety:** Medical oxygen concentrators are designed to be safe and reliable, with built-in safety features such as alarms and automatic shut-off in case of a malfunction.

It's important to note that a medical oxygen concentrator should only be used under the guidance of a healthcare professional. They can help determine if oxygen therapy is appropriate for an individual's specific medical condition and provide guidance on how to properly use the device.

Overall, a medical oxygen concentrator can provide a safe, convenient, and effective solution for individuals who require supplemental oxygen therapy at home.

# All The Accessories





1 Machine



2 Power cord



3 Remote control



4 Manual



5 Nasal cannula



6 Oxygen mask



7 Level 1 filter



8 Fuse

Only attached within Y-509W



9 Atomizing cup



10 Atomizing mask



11 Atomizing tube



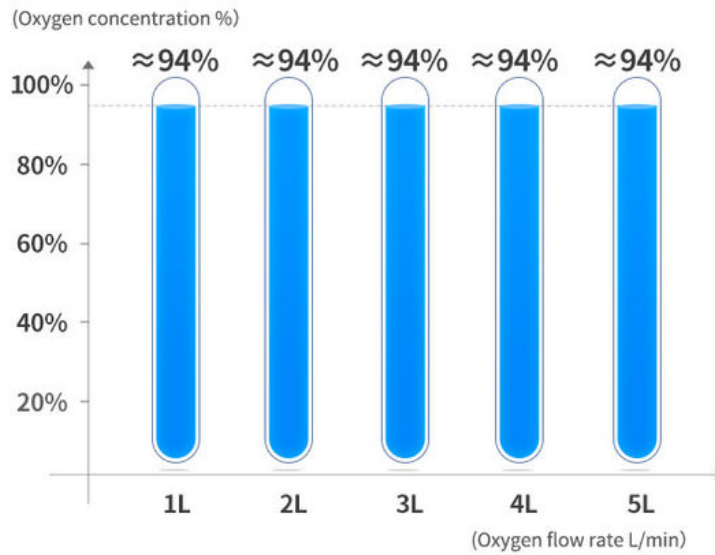
12 Atomizing mouth

# Large Flow

## More applicable occasions

90%~96%

Oxygen concentration



# Wire-less Remote Control

Portable and steady in your hand



Power on/off



Timing +/-



Smart wireless  
remote control



HIGH OXYGEN  
CONCENTRATION



1-5L/MIN ADJUSTABLE  
FLOW RATE



OXYGEN CONCENTRATION  
REAL-TIME MONITORING



SMART ALERT



HD LARGE SCREEN



ATOMIZATION  
FUNCTION



6-LEVEL LOW  
NOISE TECHNOLOGY



MOLECULAR SIEVE



TWO-CYLINDER  
PUMP COMPRESSOR

INTELLIGENT OXYGEN  
GENERATOR

# Damping technology

## Structural noise reduction technology

Double patents, focus on details

Fully support high-quality sleep



≈42dB

MUTE  
AND UPGRADE



# Product Parameter



<b>Product name</b> MEDRIS 5L Oxygen Concentrator	<b>Product model</b> Y-509W	<b>Flow</b> 1-5L/min adjustable flow rate
<b>Oxygen concentration</b> 93%±3% (1L/min)	<b>Oxygen pressure range</b> 86kPa-106kPa	<b>Method</b> Pressure swing adsorption (PSA)
<b>Atomization rate</b> ≥0.2ml/min (Only attached within Y-509W)	<b>Operating noise</b> ≤42dB(A weighting)	<b>Operation mode</b> Continuous operation
<b>Power supply</b> AC 220V/50Hz 110V/60Hz	<b>Dimensions</b> 310*270*550mm (length, width and height)	<b>Net weight</b> About 16KG

# Packaging

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03



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