

## 5L High Concentration LCD Display Medical Grade Elderly Children'S Oxygen Concentrator

Our Product Introduction

for more products please visit us on [oxygenconcentratormedical.com](http://oxygenconcentratormedical.com)

### Basic Information

- Place of Origin: China
- Brand Name: SS
- Certification: CE,ISO13485,SGS ,FCC,RoHs
- Model Number: Y-501W
- 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

- Safety Standard: GB/T 18830-2009
- Oxygen Concentration: 93%  $\pm$ 3%(1L/min)
- Display Control: LCD Screen
- Oxygen Flow: 10L/min Adjustable
- Color: White
- Product Name: Oxygen Concentrator For Medical & Home Use
- Power Source: Electric
- Net Weight:  $\approx$  21kg
- Highlight: 5l medical oxygen concentrator, 5l medical grade oxygen concentrator, elderly medical oxygen concentrator



### More Images



## Product Description

### 5L high concentration LCD display medical grade elderly children's oxygen concentrator

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.

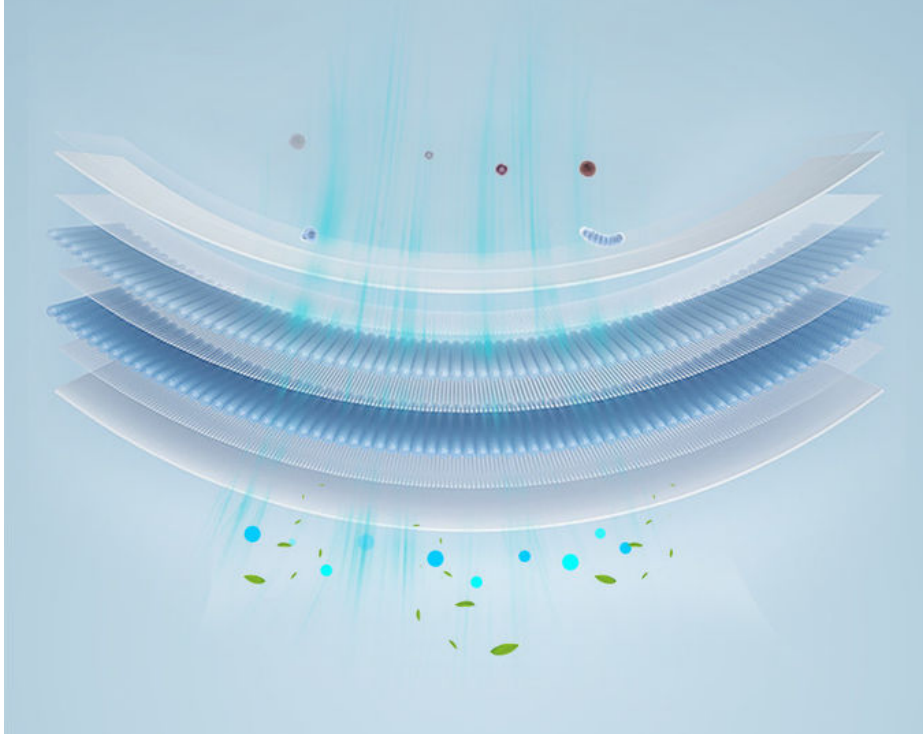
**Oxygen delivery:** The concentrated oxygen is delivered to the user through a nasal cannula or a mask. The user can breathe in the enriched oxygen, which helps to increase the oxygen levels in their bloodstream.

**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.

## 8 level filtering system

4 level filtering for air inlet and denitrogenation + 4 level filtering for oxygen outlet

Make sure the oxygen out let is pure and clean



# Oil-free pure copper compressor

Independent R&D, multiple leading technologies

Built-in overheat protection function; low noise and strong power



# Independent R&D, High adsorption molecular sieve

Super adsorption capacity, slow decay



## 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.



# Home-use Health Care And Medical Treatment



## HYPOXIC PEOPLE

Quickly increase blood oxygen saturation, increase oxygen content in the body, and help to do djuvant therapy.



## NORMAL HEALTH-CARE

When pregnant women, office workers or students are dizzy and fatigued, they can lessen their symptoms by inhaling oxygen. And it also helps to maintain their energy.



## DOUBLE OXYGEN INHALATION

Medical level oxygen rate which concentration and flow can support two people to inhale oxygen at the same time.

## 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-501W



9 Atomizing cup



10 Atomizing mask



11 Atomizing tube



12 Atomizing mouth



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

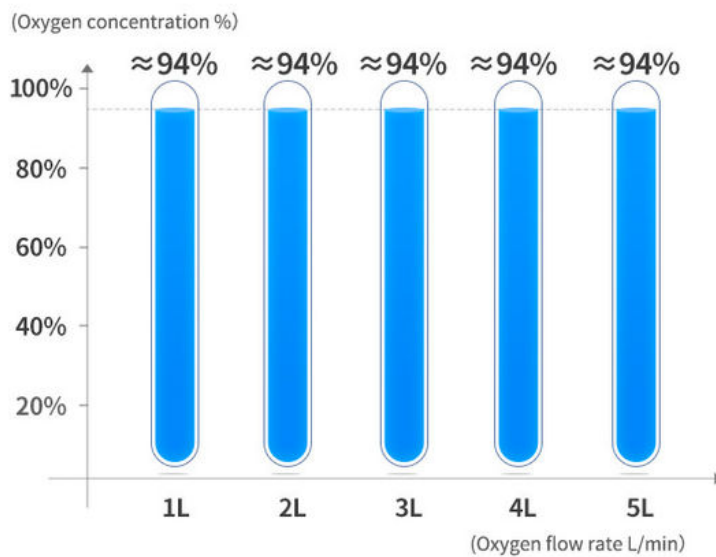


TWO-CYLINDER  
PUMP COMPRESSOR

## Large Flow More applicable occasions

**90%~96%**

Oxygen concentration



# Packaging

...

01



02



03



04



Shenzhen Emeng Health Technology Co., LTD

+86 13760822077

kaylayi0612@foxmail.com

oxygenconcentratormedical.com

Room D, 7th Floor, Guang Long Building, 162 Ping Xin North Road, PingHu Street, LongGang District, ShenZhen