

## High Efficiency Medical Oxygen Concentrator Household 7L Hospital Oxygen Generator

Our Product Introduction

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

### Basic Information

- Place of Origin: China
- Brand Name: MEDIRS
- Certification: CE,ISO13485,SGS ,FCC,RoHs
- Model Number: JY102W
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: OPP packing ,1pcs per Carton. Carton size:540\*370\*695mm,Gross Weight:21kgs.
- Delivery Time: 3-5 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 1000pcs



### Product Specification

- Oxygen Concentration: 90%  $\pm$ 3%(1L/min)
- Instrument Classification: Class II
- After Sale Service: Online Technical Support
- Operating Noise:  $\leq$ 42 DB
- Carton Size: 355 \* 230 \* 370 Mm
- Machine Size: 355 \* 230 \* 180 Mm
- Outlet Pressure: 8.5 PSI
- Net Weight:  $\approx$  5.5 Kg
- Oxygen Flow: 1-7 L/min
- Highlight: **High Efficiency Medical Oxygen Concentrator, Hospital Medical Oxygen Concentrator, 7L Hospital Oxygen Generator**



### More Images



## Product Description

### Household high-efficiency compressed molecular screening 7L hospital grade oxygen generator

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.

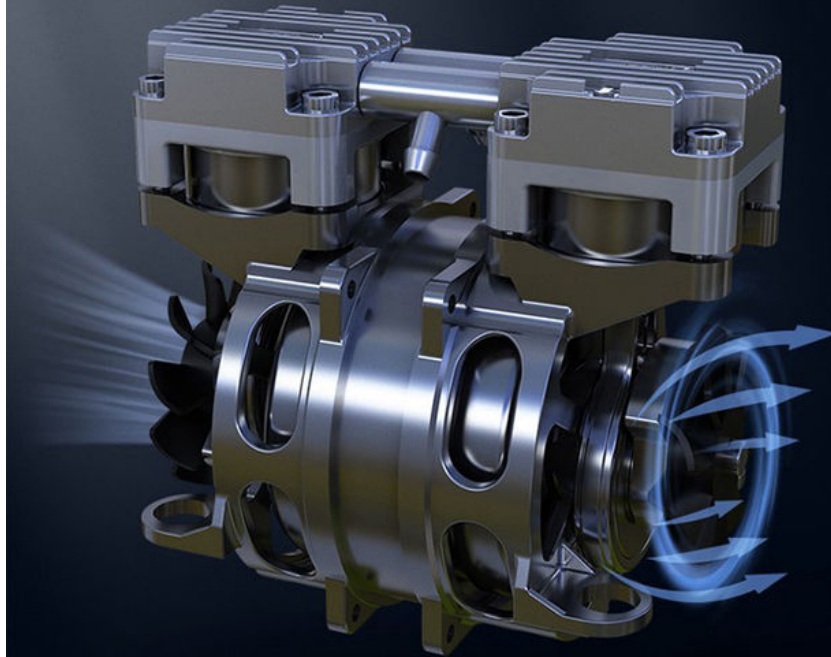
**Oxygen delivery:** The concentrated oxygen is delivered to the user through a nasal cannula or a mask. The user can breathe in the enriched oxygen, which helps to increase the oxygen levels in their bloodstream.

**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.

## 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



Super adsorption capacity



Pure oxygen outlet



Stable

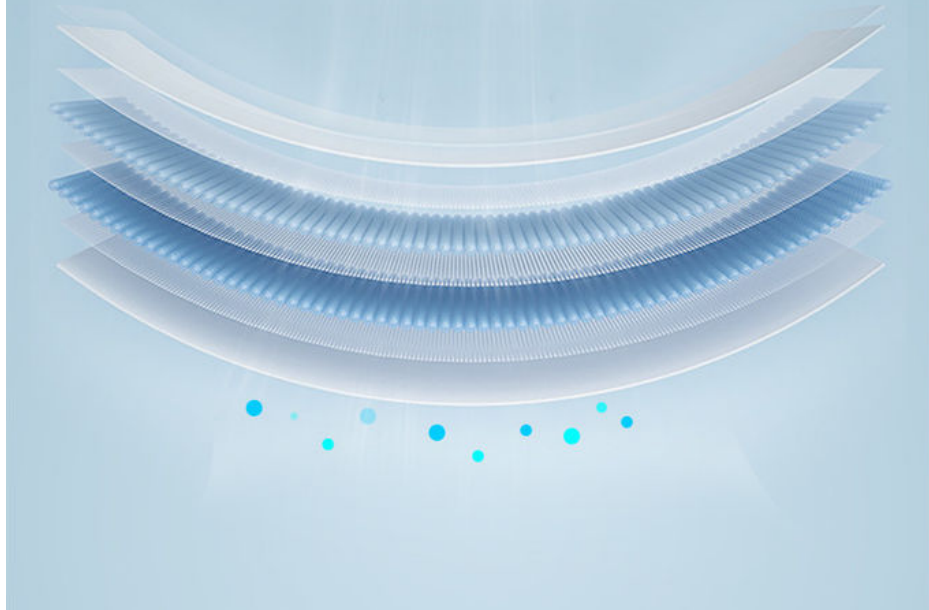


Long use life

## 8 level filtering system

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

Make sure the oxygen outlet is pure and clean



Medical oxygen concentrators are devices that provide a convenient and cost-effective way for patients with respiratory conditions to receive supplemental oxygen. These devices work by filtering and concentrating oxygen from the air, which is then delivered to the patient through a nasal cannula or mask.

There are many different types of medical oxygen concentrators on the market, how do we choose oxygen concentrators?

**Portability:** If the patient needs to travel or move around frequently, a portable oxygen concentrator may be the best option. Portable concentrators are lightweight and compact, and can be easily carried in a backpack or shoulder bag.

**Flow rate:** The flow rate of the concentrator determines how much oxygen it can deliver to the patient. Patients with more severe respiratory conditions may require a higher flow rate, so it's important to choose a concentrator that can meet their needs.

**Noise level:** Some concentrators can be quite loud, which can be bothersome for patients and their families. Look for a concentrator that operates quietly, especially if the patient will be using it at night.

**Price:** Medical oxygen concentrators can vary widely in price, from a few hundred dollars for a basic model to several thousand dollars for a high-end unit. Make sure to choose a concentrator that fits within the patient's budget, while still meeting their needs.

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.



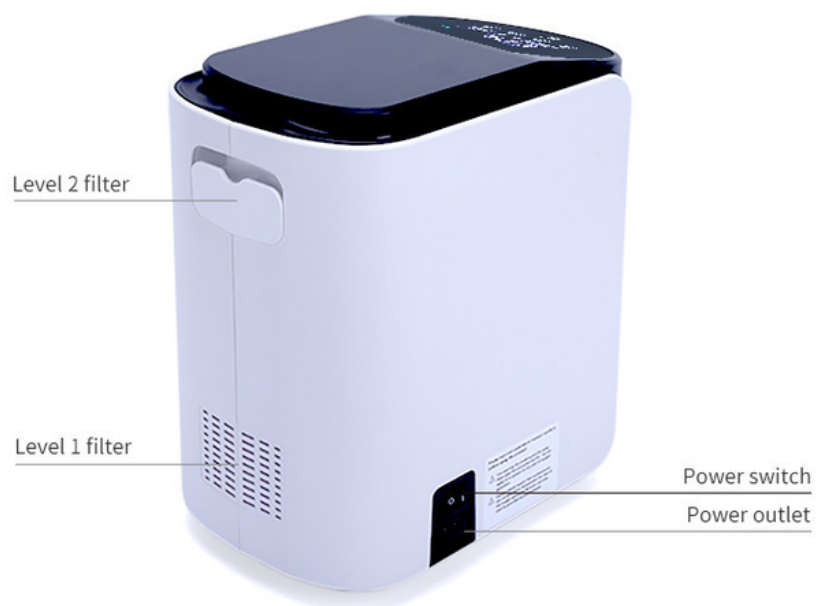
# German Quality

Elaboration Manufacturing

Product front



Product back



# All The Accessories



1 Machine



2 Power cord



3 Remote control



4 Manual



5 Nasal cannula



6 Level 1 filter



7 Level 2 filter



8 Fuse

Only attached within JY-102W



9 Atomizing cup



10 Atomizing mask



11 Atomizing tube



12 Atomizing mouth

# Product Parameter

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<b>Product name</b> MEDRIS 1L Oxygen Concentrator	<b>Product model</b> JY-102W	<b>Flow</b> 1-7L/min adjustable flow rate
<b>Oxygen concentration</b> 90%±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 JY-102W)	<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> 305*180*300mm (length, width and height)	<b>Net weight</b> About 5.5KG



# Wire-less Remote Control

Portable and steady in your hand



Power on/off



Timing +/-



Smart wireless  
remote control

## HD large screen voice broadcast function

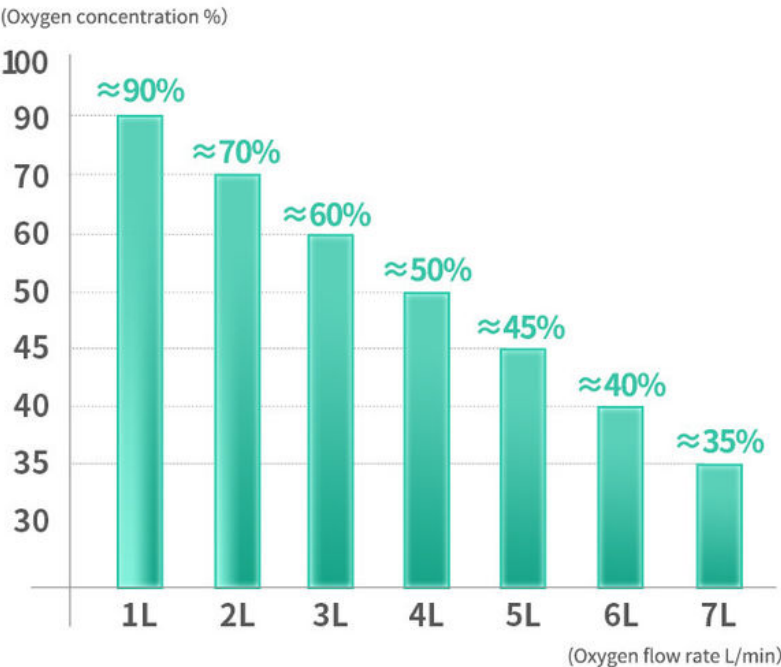
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Big fonts, big buttons, backlit display, easy for elders to use.



# Large Flow

## More applicable occasions



HIGH OXYGEN  
CONCENTRATION



1-7L/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

# Packaging

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01



02



03



04



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