7L Silent And Efficient Filtering Compressed Oxygen Production LCD Display Home Oxygen Generator

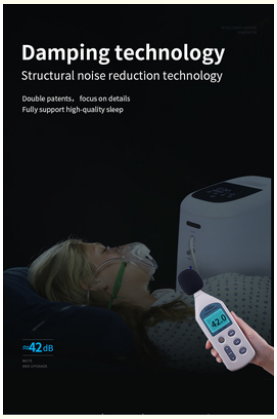
Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: MEDIRS
- Certification: CE,ISO13485,SGS ,FCC,RoHs
- Model Number: JY107W
- 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 Flow: 1-7L/min
- Oxygen Concentration: 90% ±3%(1L/min)
- Product Name: Home Use Oxygen Concentrator
- Instrument Classification: Class II
- Outlet Pressure: 8.5 PSI
- Machine Size: 310*180*300 Mm
- Carton Size: 355*230*370 Mm
- Net Weight: ≈ 5.5 Kg
- Noise Level: ≤42 DB (A)
- Highlight: **7l medical oxygen concentrator**, **7l medical grade oxygen concentrator**, **efficient medical oxygen concentrator**



More Images

Our Product Introduction

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Product Description

7L Silent And Efficient Filtering Compressed Oxygen Production LCD Display Home 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.

Independent R&D,
High adsorption molecular sieve

Super adsorption capacity, slow decay

- Super adsorption capacity
- Pure oxygen outlet
- Stable
- Long use life

Medical oxygen concentrators are playing an increasingly important role in redefining respiratory care at home. With the development of more compact and portable models, patients with respiratory illnesses can receive oxygen therapy in the comfort of their own homes, rather than being confined to hospitals or clinics. This not only provides greater convenience for patients, but also reduces the burden on healthcare facilities and allows for more efficient use of resources. Additionally, medical oxygen concentrators offer a cost-effective alternative to traditional oxygen delivery methods, making them more accessible to a wider range of patients.

One of the main advantages of medical oxygen concentrators is that they can be used at home, which can improve patient outcomes and quality of life. Patients with chronic obstructive pulmonary disease (COPD), emphysema, and other respiratory illnesses can benefit from oxygen therapy to help them breathe more easily and improve their overall health. By using a medical oxygen concentrator at home, patients can avoid frequent hospital visits and maintain their independence.

Another advantage of medical oxygen concentrators is that they are more cost-effective than traditional oxygen delivery methods such as oxygen tanks or liquid oxygen. Medical oxygen concentrators require only a one-time investment and can last for several years with proper maintenance, whereas tanks and liquid oxygen require ongoing refills and can be much more expensive over time.

With the development of more compact and portable medical oxygen concentrators, patients can now take their therapy with them on the go. This has opened up new possibilities for patients who want to travel or maintain an active lifestyle while receiving oxygen therapy.

Medical oxygen concentrators are a valuable tool in the treatment of respiratory illnesses and are helping to redefine respiratory care at home. They offer patients greater convenience, independence, and cost-effectiveness, while also reducing the burden on healthcare facilities.

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.

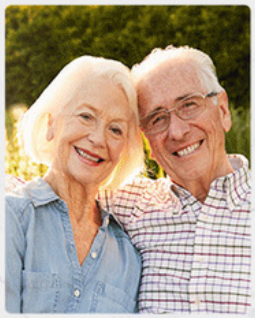
Home-use Health Care And Medical Treatment

HYPOXIC PEOPLE

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

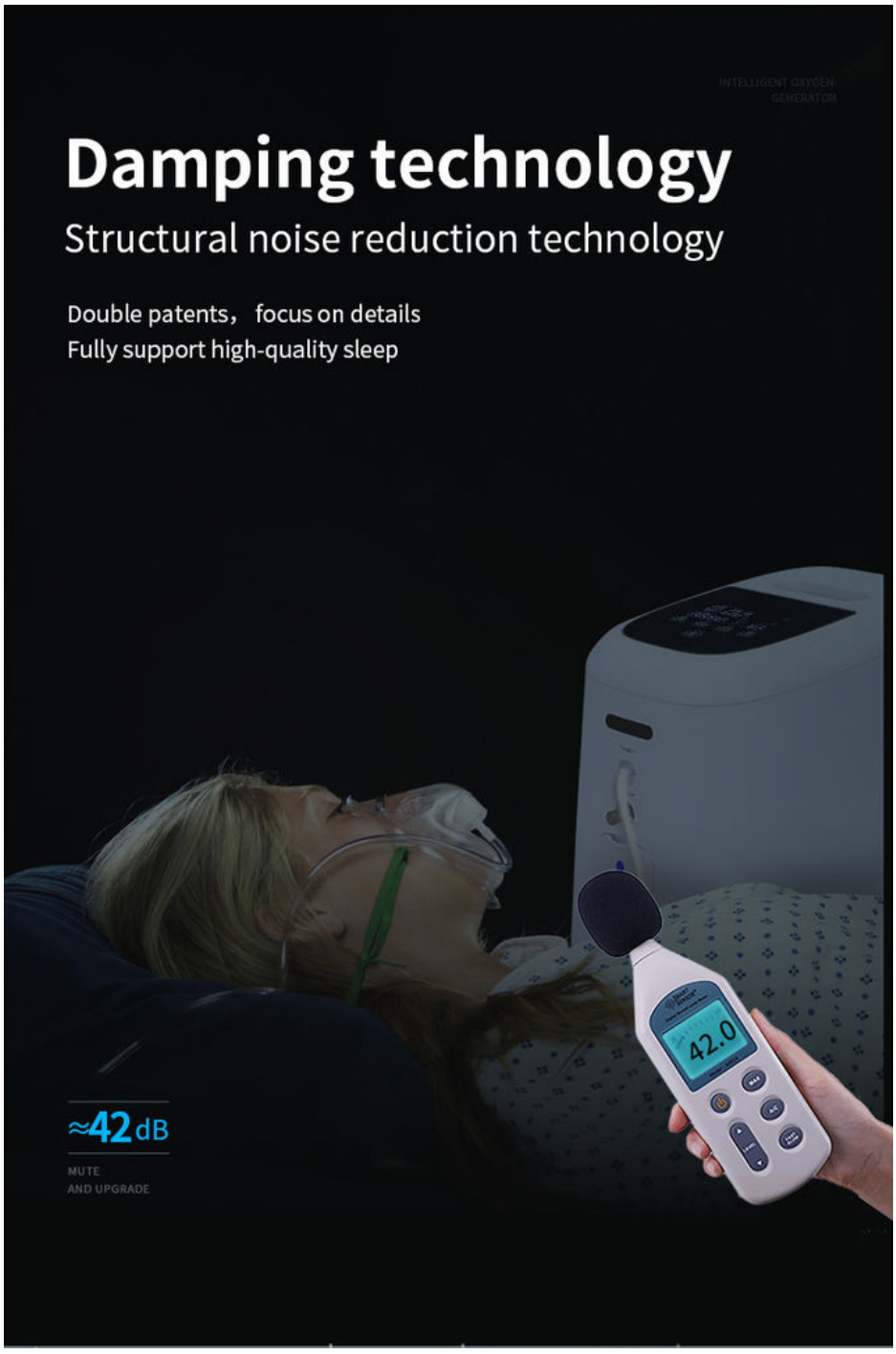
NORMAL HEALTH-CARE

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.


INTELLIGENT OXYGEN GENERATOR
Damping technology
Structural noise reduction technology
Double patents， focus on details
Fully support high-quality sleep
≈42dB
MUTE
AND UPGRADE
42.0


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

Product Parameter

Product name	Product model	Flow
MEDRIS 1L Oxygen Concentrator	JY-107W	1-7L/min adjustable flow rate
Oxygen concentration	**Oxygen pressure range**	**Method**
90%±3% (1L/min)	86kPa-106kPa	Pressure swing adsorption (PSA)
Atomization rate	**Operating noise**	**Operation mode**
⩾0.2ml/min (Only attached within JY-102W)	⩽42dB(A weighting)	Continuous operation
Power supply	**Dimensions**	**Net weight**
AC 220V/50Hz 110V/60Hz	305*180*300mm (length, width and height)	About 5.5KG

Packaging

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