

Oxygen Concentrator

Oxygen concentrator is a device that concentrates the oxygen from a gas supply (typically ambient air) by selectively removing nitrogen to supply an oxygen-enriched product gas stream.



How Does an Oxygen Concentrator Work?

Oxygen concentrators are medical devices that assist people who have a low level of oxygen in their blood. They are powered by plugging the device into an electrical outlet or by using a battery. If a battery is used, then it will need to be charged by plugging it into an electrical outlet. Most concentrators also come with an adapter so you can use the device while you drive.

An oxygen concentrator receives air, purifies it, and then distributes the newly formed air. Before it goes into the concentrator, air is made up of 80 percent nitrogen and 20 percent oxygen. An oxygen concentrator uses that air then it comes out as 90 to 95 percent pure oxygen and 5 to 10 percent nitrogen. The nitrogen is separated to give the patient the highest dose of oxygen possible, as it is difficult to get that percentage of oxygen without the help of a medical device.

The 5 Step Concentrator Process:

1. Takes air from the room.
 2. Compresses the oxygen.
 3. Takes out nitrogen from the air.
 4. Adjusts the way the air is delivered.
 5. Delivers the purified air.
- France imported CECA molecular sieve
 - High oxygen purity $93\% \pm 3\%$
 - Long life span more than 18000 hours
 - Suitable for 24 hours continuously work
 - ISO approved

Specifications

Model : OLV-5A

Purity Oxygen : >93%±3 (V/V)

Voltage : AC220V ± 22V, 50Hz±1Hz / AC110V ± 15V, 60Hz±1 Hz

Outlet Pressure : 20kPa-60kPa

Flow Rate : 0-5L/min

Sound Level : Less than 45db

Power Consumption : 320Watts

Net Weight : 15kg

Dimension : 34.4×30.6×56.5(cm)

Standard Accessories

- 1x Humidifier bottle
- 1x primary filter
- 1x HEPA filter
- 2x Nasal oxygen cannula
- 1x User manual