

LONGFIAN SCITECH CO.,LTD

PROFESSIONAL QUALITY, FOCUS ON OXYGEN CONCENTRATOR



LONGFIAN SCITECH CO., LTD

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Oxygen care at any minute
Longfian more reliable

COMPANY PROFILE

Longfian Scitech Co., Ltd, located in No. 401, 4th Floor , Block 1, Building 1 College Tech. Zone, No 5699 North Second Circle Road, Baoding, Heibei, 071051, China is a professional manufacturer, specialized in the development, production and export of medical serial oxygen concentrators. The company is possessed with its own solid R&D team, who has the independent developing ability of the hard&software unit of the product and won the matured technology of PSA application. Presently the company has succeeded in the production of serial oxygen concentrators from 1LPM~20LPM, which have been widely applied in homecare, hospitals, clinics, beauty salon、 sports and industry, etc.

In the meanwhile, some oxygen related products, such as ozone, oxygen cocktail devices, are developed also upon the demands of the market. In order to meet the international quality requirement, our products have got FDA certificate, TUV approval with CE certificate and exported to more than 120 countries from Europe, Africa, Middle East and Asia etc..

Our goal is to meet the demands of various specialists of medical field and continue to bring you not just the innovative equipment but also the most reliable, long-lasting & quality products.

BRIEF INTRODUCTION



OXYGEN CONCENTRATOR SERIES(CE0197)

HIGHLIGHTS

- PSA(Pressure Swing Adsorption) Technology
- Adjustable flow rate from 0LPM to 10 LPM
- Large LCD display for switch times, operating pressure, present working time, accumulating time and presetting time from 10minutes to 40hours.



- *Available for 1-2 persons at the same time
- *Maintenance reminding
- *Nebulizer and oximeter can be available on site
- *RF card is available for people to inhale oxygen in public

SCOPE OF APPLICATION:

1) For Medical Use

Medical oxygen supplied by the concentrator is beneficial to cure the respiratory disease or heart and blood vessel system, chronic pulmonary system, the brain and blood vessel system, chronic pulmonary tuberculosis, and other oxygen lacking symptoms etc.

2) For Health care

Medical oxygen can be used for athletics and intellectuals and brainworkers, etc. to eliminate fatigue and also suit for the departments of health care, sanatorium, healthy, plateau military camps and hotels and other places where need oxygen.



MEDICAL OXYGEN CONCENTRATOR

MODEL:JAY-5 JAY-8 JAY-10

			
	SINGLE FLOW	DUAL FLOW	
Model	JAY-5	JAY-8	JAY-10
Flow rate	0-5L/min	0-8L/min	0-10L/min
Purity	93%±3%		
Outlet Pressure (Mpa)	0.04-0.07		
Sound Level	≤50db		
Power	AC220V±10%, 50/60±1Hz; AC110V±10%, 50/60±1Hz		
Power Consumption	≤480W	≤480W	≤550W
LCD display	Switch times, Operating pressure, Present Working Time, Accumulating Time, Presetting Time from 10mins to 40hours		
Alarm	Power failure alarm, High&Low pressure alarm		
Net Weight	25Kgs	27Kgs	28Kgs
Size (mm)	365×375×600		
Optional	<ul style="list-style-type: none"> * Nebulizer (Atomization) * Low purity alarm: when oxygen purity is above 82%, it will give blue light; when the purity is below 82%(82% not included), it will give red light * Maintenance alarm: alarm for maintenance after 3000 hours operation * Alarm for high temperature inside systems above 50℃ * Pulse oximeter: fingertip pulse oximeter is available for monitoring patient oxygen saturation on site. * Small LCD display: accumulating time, present working time, presetting time * Dual flows 		

HEMOCARE OXYGEN CONCENTRATOR

MODEL: JAY-3 JAY-5Q



Model	JAY-3	JAY-5Q
Flow rate	0-3L/min	0-5L/min
Purity	93±3%	
Outlet Pressure (Mpa)	0.04-0.07	
Sound Level	≤38db	≤40db
Power	AC220V±10%, 50/60±1Hz ; AC110V±10%, 50/60±1Hz	
Power Consumption	≤280W	≤350W
LCD display	Switch times, Operating pressure, Present Working Time, Accumulating Time, Presetting Time from 10mins to 40hours	
Alarm	Power failure alarm, High&Low pressure alarm	
Net Weight	14Kgs	16Kgs
Size (mm)	320×360×600	320×360×600

Optional

*Nebulizer (Atomization)

*Low purity alarm: when oxygen purity is above 82%, it will give blue light; when the purity is below 82% (82% not included), it will give red light

*Maintenance alarm: alarm for maintenance after 3000 hours operation

*Alarm for high temperature inside systems above 50°C

*Pulse oximeter: fingertip pulse oximeter is available for monitoring patient oxygen saturation on site.

*Small LCD display: accumulating time; present working time presetting time.

PORTABLE HEALTHCARE OXYGEN CONCENTRATOR

Application:

Patient's short time outdoor application
 Headache dizziness, Sleep apnea caused by cervical spondylosis
 Mental worker and student restore energy
 Pregnant and the aged to keep healthy
 Oxygen cocktail making

Features :

1. AC&Vehicle DC12V
2. Trolley bag

Technical Parameter:

1. Oxygen Flow (L/min) : 1-5
2. Oxygen Concentration (%) : 90~30
3. Oxygen Pressure (MPa): 0.03~0.07
4. Noise (dBA) : ≤45
5. Dimension(mm): 380×230×370
6. N.W. (Kg): 6Kgs
7. Rated Power (W) : ≤75
8. Power Supply (V) :
DC12V;AC220V/110V



JAY-1



Oxygen Cocktail

Available Model: JAY-1 JAY-3 JAY-5

Oxygen Mixer "OXYGEN MIX"

Foam-forming "OXYGEN MIX DRINK" 2 g/cup

The oxygen cocktail is juice, or another drink filled with oxygen so that it builds foam on top.

The oxygen cocktail is very healthy stuff. Drinking it compensates the lack of oxygen or hypoxia as it is called in the medicine science. A portion of the oxygen cocktail equals a long walk in the forest.

Benefits :

- It can improve the work of the heart-vascular system; optimizes gut microflora; detoxifies the body; improves the work of the liver and metabolism; reduced fat; improve the immune system; make one sleep more comfortably;
- It has helped get rid of chronic fatigue syndrome;

RF CARD OXYGEN CONCENTRATOR FOR PUBLIC



Available model: JAY-3 JAY-5, JAY-8, JAY-10

Application: RF Card oxygen concentrator is available for people to inhale healthy oxygen in stadium, library, health club, hospital and clinic etc.

BECOME FITTER, STRONGER & MORE YOUTHFUL

With a breakthrough technique delivering more oxygen to your body Increase energy, strength and oxygen levels. Achieve the oxygen level of a fit 20-year-old.

Burn up to 30% more calories and burn fat faster without increasing the intensity or duration of your workout.

Improve well-being and reduce risk of disease.

Anti-aging and immune boosting

Specification:

1. Oxygen Flow (L/min) : 1-3,1-5,1-8,1-10
2. Oxygen Concentration (%) : 93±3%
3. Oxygen Pressure (MPa): 0.04~0.07
4. Noise (dBA) : ≤50
5. Dimension(mm): 435×435×640
6. N.W. (Kg): 28Kgs
7. Power Supply (V): AC220V±10%, 50/60±1Hz; AC110V±10%, 50/60±1Hz

Optional:

*Low purity alarm: when oxygen purity is above 82%, it will give blue light; when the purity is blow 82%(82% not included), it will give red light

*Maintenance alarm: alarm for maintenance after 3000 hours operation

*Alarm for high temperature inside systems above 50 °C

*Small LCD display: accumulating time; present working time presetting time.



PEDIATRIC (NEONATAL) OXYGEN CONCENTRATOR



FEATURES:

For this device, 5 flows can work independently by adjust the flow knob, and also support combine use .The separate flowmeter minimum scale can arrive 0.125L/Min, combine used maximum flow rate less than the oxygen flow rate at oxygen outlet , It is available for children and adults to choose to use.

Specification:

1. Oxygen Flow (L/min) : 1-10L/min
2. Oxygen Concentration (%) : 93±3%
3. Oxygen Pressure (MPa): 0.138 (20psi)
4. Noise (dBA) : ≤55
5. Dimension(mm): 435×435×640
6. N.W. (Kg): 29Kgs
7. Power Supply (V) : AC220V±10%, 50/60±1Hz; AC110V±10%, 50/60±1Hz
8. Power consumption: ≤550W
9. LCD display: Switch times, Operating pressure, Present Working Time, Accumulating Time, Presetting Time from 10mins to 40hours

Optional:

*Nebulizer(Atomization)

*Low purity alarm: when oxygen purity is above 82%, it will give blue light; when the purity is blow 82%(82% not included), it will give red light

*Maintenance alarm: alarm for maintenance after 3000 hours operation

*Alarm for high temperature inside systems above 50 °C

*Pulse oximeter: fingertip pulse oximeter is available for monitoring patient oxygen saturation on site.

*Small LCD display accumulating time; present working time; presetting time.

HIGH PRESSURE OXYGEN GENERATOR SERIES

1.4Bar-4Bar/20PSI-60PSI SERIES



FEATURES

- ◆ PSA(Pressure Swing Adsorption) Technology
- ◆ Adjustable flow rate from 0LPM to 20LPM
- ◆ Low purity alarm function
- ◆ 4 bar machine available for 5-7 patients at the same time, 1.4 bar machine applied in connecting long tube of fifty meters or supply oxygen for 1-3person
- ◆ Full digital control system
- ◆ Audio and visual alarm for high & low pressure

Model	JAY-10	JAY-15	JAY-20
Oxygen flow	0-10L/min	0-15L/min	0-20L/min
Outlet Pressure (Mpa)	0.14-0.4		
Oxygen Concentration	93%±3%		
Sound Level	≤55 db	≤60 db	≤60db
Power	AC230V, 50Hz(AC220V/110v±10%, 50/60±1Hz are available)		
Power Consumption	850W	1150W	1650W
LCD display	Switch times, Operating pressure, Present Working Time, Accumulating Time, Presetting Time from 10mins to 40hours		
Alarm	Power failure alarm, High&Low pressure alarm		
Net Weight	65Kgs	118 Kgs	125Kgs
Size (mm)	830×360×600	860×580×660	860×670×660

OXYGEN CONCENTRATOR FOR VETERINARY USE



Model	JAY-10/JAY-8/JAY-5	JAY-20/JAY-15/JAY-10
Flow rate(L/min)	0-10/0-8/0-5	0-20/0-15/0-10
Purity	93±3%	
Outlet Pressure (Mpa)	0.04-0.07	0.14-0.4
Sound Level	≤50 db	≤60 db
Power	AC230V, 50±1Hz (AC220V/110V±10%, 50/60±1Hz are available)	AC220V±10% 50Hz±1Hz
LCD display	Switch times, Operating pressure, Present Working Time, Accumulating Time, Presetting Time from 10mins to 40hours	
Alarm	Power failure alarm, High&Low pressure alarm	
Size (mm)	365×375×600	800×580×660
Application	Oxygen supply for small animal , such as dog, cat, etc.	0.14Mpa machine: Oxygen supply for big animal such as horse, ox, etc. 0.4Mpa machine: Connecting with ventilator or anesthesia machine.

Optional (Only available for JAY-10/JAY-8/JAY-5 model)

- * Low purity alarm: when oxygen purity is above 82%, it will give blue light; when the purity is below 82%(82% not included), it will give red light
- * Maintenance alarm: alarm for maintenance after 3000 hours operation
- * Alarm for high temperature inside systems above 50℃
- * Small LCD display: accumulating time; present working time presetting time.
- * Dual flows

INDUSTRY OXYGEN CONCENTRATOR



Model	JAY-10	JAY-15	JAY-20
Oxygen flow (L/min)	0-10	0-15	0-20
Oxygen concentration	93%±3%		
Outlet pressure (Mpa)	0.04-0.07/0.14-0.4	0.04-0.07/0.14-0.4	0.04-0.07/0.14-0.4
Rated power (VA)	550W/850W	1150W	1120W/1650W
Operation voltage (V/Hz)	AC230V, 50Hz(AC220V/110v±10%, 50/60±1Hz are available)		
Alarm	Power failure;low&high pressure ; temperature(optional); low purity (optional); maintenance reminding after 3000 hours use(optional)		
Sound level (dB)	≤55	≤55	≤60
LCD display	accumulating timing; present timing; timing;		
Large LCD display (optional)	Pressure digital(accuracy:0.001MPa); accumulating timing(range:0-10000hours); present timing(accuracy:1 minute); presetting timing(accuracy:1 minute) Optional : temperature digital(accuracy:0.1); maintenance reminding		
Electrical category:	Class II Type B		
Product category:	Class II a		
Net Weight (Kg)	30/65	118	60/125
Dimension (mm)	380×380×560/ 830×360×600	860×580×660	700×390×530 / 860×670×660
Low purity alarm (Optional)	When oxygen purity is 82%, the blue lamp is on, when oxygen purity is <82% , red lamp is on, indicating low purity		

OZONE GENERATOR



Specifications

- ◆ Ozone Generator
- ◆ Ozone output:8-28 g/h
- ◆ High ozone concentration:>58 mg/L
- ◆ Built in oxygen concentrator:>90% purification
- ◆ Applied in medical,laboratory,water purifying,laundry,agriculture,etc.
- ◆ Compact assembly,it can be movable with wheel

Technical specifications

- ◆ Ozone Output: 28g/h,Adjustable 8.0-28.0g/h
- ◆ Gas Flow: Adjustable 1.5-8.0L/min
- ◆ Oxygen Purity: >90%
- ◆ Output connections: 6.0mm diameter
- ◆ Continuous operation: 24h/day
- ◆ Cooling system: Air cooling,built-in 2×80 CFM fans
- ◆ Ozone generating method: Corona discharge
- ◆ Input voltage: 220V 50Hz(60Hz optional)
- ◆ Power input: 850W
- ◆ Operating temperature: -10 deg°C~+60 deg°C
- ◆ Storage temperature: -20 deg°C~+70 deg°C
- ◆ Size: 370×390×590mm
- ◆ Weight: 42Kg w/stainless steel housing

OXYGEN FILLING SYSTEM



A highly efficient, movable oxygen filling system. Plug and use. can switch fulfill various kinds of oxygen bottles. Can be used for hospital, clinical, nursing centre and etc.

Features:

- Swiftly filling Efficient And Convenient
- Automatically stop filling when oxygen purity is low
- Suitable for various Oxygen bottles
- Absolute dry, clean and Oil-free.
- High Compression Ratio. Service pressure is up to 138 Bar(2000 psi/13.8MPa)
- Fast Filling. The fastest filling time of a 15 Liters Cylinder is around 6 hours.
- Small and light weight, easy and safe to operate.
- Simple, reliable and easy maintenance.
- Energy Saving: Low power consumption.
- Cost-Effective.

Specification:

Power supply	AC220/110V;50/60Hz
Power consumption	<500W
Filling pressure	2000PSI
Filling time	6hours (15L cylinder)
Max. Flow:	10LPM
Sound level	<65dB (A)
Equip. Classification	Class I Type B
Dimension	51*34*75cm
Weight	45Kg

OXYGEN ANALYZER



SPECIFICATIONS

- ♦ Accuracy: $\pm 3\%$
- ♦ Max.Pressure: 100KPa
- ♦ Max.Flow: 8 liters/minute
- ♦ Low battery voltage reminding
- ♦ Power off automatically in 15 minutes without signal
- ♦ LCD purity display,between 21.0%-99.9%

OXYGEN SENSOR



Specification

- ♦ Accuracy: $\pm 3\%$
- ♦ Max.Pressure: 138Kpa
- ♦ Max.Flow: 15 liters/minute
- ♦ Output
 - (1) Indicator#1: Red with LED display <math>< 82\%</math>
Available for customization
 - (2) Indicator#2: Blue with LED display $\geq 82\%$
Available for customization
 - (3) USRT port support purity signal output
- ♦ Power: DC6VDC18V/0.04 watts
- ♦ Size: 95*58*28mm
- ♦ Weight: 60g