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КАТАЛОГ





COMPANY PROFILE

Longfian Scitech Co., Ltd, located in 2F&3F, East Section, Building 12, Power valley pioneer park, NO.369 Huiyang street , 071051,Baoding, Hebei Province,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~20_LPM, 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 120countries 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.

Oxygen care at any minute Longfian more reliable

BRIEF INTRODUCTION

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Kuala Lumpur, Malaysia
Kuala Lumpur, Malaysia

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Phone No.: 03-26100000

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OXYGEN CONCENTRATOR SERIES



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 presenting 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	≤400W	≤400W	≤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	23Kgs	25Kgs	28Kgs
Size (mm)	365×375×600		

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℃
- * 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

MEDICAL OXYGEN CONCENTRATOR

3L/5L Series



Flow rate	0-3L/min	0-5L/min
Purity rate	93+-3%	
Outlet pressure	0.04- 0.07	
Sound level	≤ 43 db	
power	AC220V+-10%;50/60+-1HZ;AC110V+-10%;50/60+-1HZ	
Power consumption	≤ 300w	≤400w
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	16kg	23kg
Size	360×300×600	

Optional

- *Nebulizer (Atomization)
- *Low purity alarm:when oxygen purity is above 82%,it will give blue light;when the purity is below82%(82% not included),it will give red light
- *Maintenance alarm: alarm for maintenance after3000 hours operation
- *Alarm for high temperature inside system above 50 ℃
- *pulse oximeter :fingertip pulse oximeter is available for monitoring patient oxygen saturation on site
- *small LCD display: accumulating time,present working time,presenting time
- *Dual flows



Flow rate	0-3L/min	0-5L/min
Purity	93±3%	
Outlet Pressure (Mpa)	0.04-0.07	
Sound Level	≤40db	≤40db
Power	AC220V±10%, 50/60±1Hz ; AC110V±10%, 50/60±1Hz	
Power Consumption	≤280W	≤300W
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	16Kgs	16Kgs
Size (mm)	350×280×540	350×280×540

*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℃

*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

Feature:

- ◆ Continuous flow,light weight
- ◆ It can be run by car adapter DC12V, Lithium battery(one hour) or 220V-240V or 110V

Application:

- ◆ Especially for shopping,traveling,etc.outdoor application
- ◆ Patients' short time outdoor use
- ◆ Headache dizziness,sleep apnea caused by cervical spondylosis
- ◆ Mental worker and student recover energy
- ◆ Pregnant and the aged to keep healthy
- ◆ Oxygen cocktail making



JAY-1



work in car



run by battery



battery recharging

Oxygen Flow (L/min)	1-5
Oxygen Concentration (%)	90~38
Oxygen Pressure (Mpa)	0.03~0.07
Noise (dBA)	≤45
Dimension(mm)	350×190×320
N.W. (Kg)	6Kgs
Rated Power (W)	≤75
Power Supply (V)	AC220V/110V
Optional	DC12V Car Adapter
	Lithium Battery (1PC)
	Battery charger (1PC)
	Trolley bag (1PC)

PEDIATRIC (NEONATAL) OXYGEN CONCENTRATOR

Application:

- The flow meter of JAY-2 is 0-2L, and the minimum scale can arrive 0.125L/min.
This model is designed specially for infants.
- For COPD patients
- Home care



Model	JAY-2
Oxygen Flow (L/min)	1-2
Oxygen Purity (%)	93%±3%
Outlet Pressure (Mpa)	0.03-0.07
Sound level (dB)	≤45
Power	AC220V±10%,50/60±1HZ AC110V±10%,50/60±1HZ
Power Consumption	≤110W
LCD display	Present working time,Accumulating time
Alarm	Power failure alarm
Net Weight (kg)	9 Kgs
Size(mm)	435×240×410

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	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

SIMULATED ALTITUDE TRAINING HYPOXIC GENERATOR

APPLICATION:

- Suitable for use at home, gym or sports training center.
- Altitude training may help prevent a person from acquiring altitude sickness during a hike.
- Mountain climbers may require altitude training before scaling large mountains.
- Altitude training allows athletes' bodies to produce more red blood cells.
- Athletes who participate in endurance sports may benefit from training at altitude.
- By training in high altitudes with lower oxygen levels, athletes can increase their endurance when back on lower ground.
- Altitude training is a way of encouraging the body to produce more red blood cells.



Model	JAY-10H
Oxygen Flow (L/min)	1-10L
Hypoxic Oxygen	9%-20.9%
Total flow	120 liters
Altitude:	0-8500m
Outlet Pressure (Mpa)	0.04-0.07
Sound level (dB)	≤50
Power	AC220V±10%,50/60±1HZ AC 110V±10%,50/60±1HZ
Power Consumption	≤550W
LCD display	Switch time,operating pressure,Present working time,accumulating time,presetting time from10mins to 40 hours
Alarm	Power failure alarm,High&low pressure alarm
Net Weight (kg)	28 Kgs
Size(mm)	365x375x600

OXYGEN FILLING SYSTEM



JAY-10 oxygen concentrator

compressor
C150-500

15 Liters Cylinder
@13.8MPa (2000PSI)

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	46*46*74cm
Weight	60Kgs

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
<82%
Available for customization
 - (2) Indicator#2: Blue with LED display
≥82%
Available for customization
 - (3) USRT port support purity signal output
- ♦ Power: DC6VDC18V/0.04 watts
- ♦ Size: 95*58*28mm
- ♦ Weight: 60g

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