



VIVITAR laboratories

THE SOLUTION®

OXYGEN CONCENTRATOR

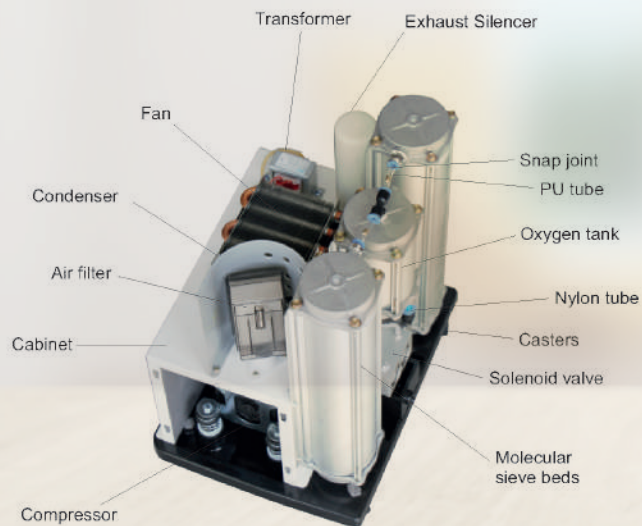
PRODUCT CATALOGUE



EXTERNAL DIAGRAM



INTERNAL COMPONENTS



Work in car



Run by battery



Trolley Bag

Application

1. Especially for shopping, traveling, etc. outdoor application
2. Patients' short time outdoor use.
3. Mental worker and student recover energy
4. Pregnant and the aged to keep healthy

Specification

Flow Rate	1-5LPM
Purity	93%~38%
Outlet Pressure	0.03-0.07MPA(5-10PSI)
Sound Level	≤45db
Rated Power	≤85w
Net Weight	6 Kgs
Power Supply	AC220V/110V
Size	350×190×320mm
Optional	DC12V Car Adapter(1PC) Battery charger (1PC) Lithium Battery (1PC) Trolley bag (1PC)



Work in car



Run by battery



Trolley Bag

Specification

Continuous Flow Mode:

Continous Flow Rate(ml/min)	1000
Power Consumption(w)	85
Battery duration Time(hours)	1
Sound Level(db)	≤ 45
Net Weight	6 Kgs
Size	350×190×320mm

Pulse Flow Mode:

Feature: Oxygen purity is 93±3%, 4 settings for different needs.

1-3 settings pulse oxygen supply mode is to deliver o2 based on breathing rate, o2 utilization rate is 100%, so it is equal to 1-3L oxygen concentrator. Automatically continuous oxygen when breath not detected, namely Setting 4 with continuous flow of 1000ml/min.

Flow Setting	1	2	3	4 (continuous flow)
Pulse Flow Rate(ml/pulse)	15	30	45	1000 (ml/min)
Power Consumption(w)	85			
Battery duration Time(hours)	1			
Sound Level(db)	≤ 45			
Net Weight	6 Kgs			
Size	350×190×320mm			



Features:

- ◆ Portable Oxygen Concentrator (Built-in battery);
- ◆ Breathing Pulse Mode:
 - 1) Pulse-dose settings 1- 5;
 - 2) 5 pulse settings up to 5000ml/Min;
 - 3) Oxygen concentration 93±3% at all settings;
- ◆ 6 settings: continuous flow of 2L/Min;
- ◆ The system will automatically switch to fixed pulse mode when no breath is detected within 20 seconds, fixed pulse is 20 pulse/Min;
- ◆ Battery duration: 5.5 hours at pulse setting 1; 1.2 hours at 2LPM continuous flow;

SPECIFICATION

Flow Setting	1	2	3	4	5	6 (continuous flow)
Pulse Flow Rate(ml/min)	520	880	1200	1500	1900	1900
Power Consumption(w)	84	84	85	95	105	105
Battery duration Time(hours)	5.5	4.5	3	2	1.2	1.2
Battery	Built-in battery and rechargeable					
Sound Level(db)	≤45					
Net Weight	5kgs(include battery)					
Size	350×190×320mm					
Accessories	Charger, car adapter and trolley bag					



Pediatric (neonatal) machine



Small & light



0-2 L flow meter
Minimum Scale 0.125L/Min



Application

1. JAY-2: The flow rate is 0-2L. The minimum scale can be 0.125L/min. It is designed specially for infants.
2. JAY-3: The flow rate is 0-3L. For home care and health care

Specification

Flow Rate	0-2LPM / 0-3LPM
Purity	93% (±3%)
Outlet Pressure	0.04-0.07MPA(6-10PSI)
Sound Level	≤45db
Power Consumption	≤200w / ≤250w
LCD Display	Present working time, accumulated working time
Alarm	Power Failure alarm, Low purity alarm(Optional)
Net Weight	11Kgs / 12Kgs
Size	435×240×410mm



Low noise, takes up less space



USA imported humidifier, 6PSI pressure release



Innovative big LCD display

Optional

1. Nebulizer(Atomization)
2. Low Purity alarm
3. Low purity alarm with low flow alarm
4. High temperature alarm
5. Pulse oximeter
6. Maintenance alarm
7. Reset Switch
8. Remote control monitoring system (WIFI/Bluetooth)

Specification

Flow Rate	0-3LPM / 0-5LPM
Purity	93% (±3%)
Outlet Pressure	0.04-0.07MPA(6-10PSI)
Sound Level	≤38db
Power Consumption	≤300w / ≤350w
LCD Display	Switch times, operating pressure, present working time, accumulated working time, presetting time from 10mins to 40hours
Alarm	Power Failure alarm, High&low pressure alarm
Net Weight	14Kgs / 15Kgs
Size	348×280×510 mm



Higher outlet pressure to ensure proper flow delivery



Low maintenance, easy to care for



Optional pulse oximeter

Optional

1. Nebulizer(Atomization)
2. Low Purity alarm
3. Low purity alarm with low flow alarm
4. High temperature alarm
5. Pulse oximeter
6. Maintenance alarm
7. Reset Switch
8. Remote control monitoring system (WIFI/Bluetooth)

Specification

Flow Rate	0-3LPM / 0-5LPM
Purity	93% (±3%)
Outlet Pressure	0.04-0.07MPA(6-10PSI)
Sound Level	≤38db
Power Consumption	≤300w / ≤350w (≤540w)
LCD Display	Switch times, operating pressure, present working time, accumulated working time, presetting time from 10mins to 40hours
Alarm	Power Failure alarm, High&low pressure alarm
Net Weight	15Kgs / 16Kgs
Size	360×243×600mm



DUAL FLOWS
USA imported humidifier
6PSI pressure release



Innovative "cooling" technology to improve reliability and life of the unit



Big LCD display
24H*365D work continuously

Optional

1. Nebulizer(Atomization)
2. Low Purity alarm
3. Low purity alarm with low flow alarm
4. High temperature alarm
5. Pulse oximeter
6. Maintenance alarm
7. Reset Switch
8. Remote control monitoring system (WIFI/Bluetooth)

Specification

Flow Rate	0-5LPM / 0-8LPM / 0-10LPM
Purity	93% (±3%)
Outlet Pressure	0.04-0.07MPA(6-10PSI)
Sound Level	≤ 50db
Power Consumption	≤ 550w / ≤550w / ≤880w
LCD Display	Switch times, operating pressure, present working time, accumulated working time, presetting time from 10mins to 40hours
Alarm	Power Failure alarm, High&low pressure alarm
Net Weight	26 Kgs / 26 Kgs / 27 Kgs
Size	365×375×600mm



Used in clinics or small hospital



Keep flat on the desk or hung on the wall



Features

1. Flow splitter is a device through which oxygen in one inlet can be divided into several flows for more patients to inhale at the same time.
2. The 5 flow meters in this flow splitter can work independently or together by adjusting flow knob.
3. Minimum oxygen flow for a single oxygen outlet can be 0.125L/Min.

Specification

Dimension	38.1(L)×11.4(W)×16.6(H)
Weight	2.5Kgs
Operating temperature	5 to 40
Storage temperature	-1 to 60
Accuracy	±5%
Inlet pressure	7PSI / 20PSI / 60PSI
Outlet ways	2/3/4/5 or customization

Feature

1. Energy efficient
2. Pressure compensated flow meter.
3. Delivers 10 LPM of high pressure and high flow therapeutic oxygen
4. Reliability and durability
5. High pressure that can power long oxygen tubing runs.

Application

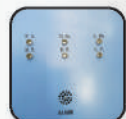
1. Medical Use: Interstitial Lungs Disease etc. which need high pressure and high flow oxygen support
2. Fish farming, aquaculture
3. Veterinary Use

Specification

Flow Rate	0-10 LPM
Purity	93%±3%
Outlet Pressure	0.14Mpa(20PSI)
Sound Level	≤ 50db
Power Consumption	880w
LCD Display	Switch time, operating pressure, present working time, accumulating time, presetting time from 10mins to 40hours
Alarm	Power failure alarm, Low / high pressure alarm
Net Weight	27 Kgs
Size	365×375×600mm



Outlet pressure:
20-60PSI/1.4-4Bar/
0.14-0.4Mpa



Low purity alarm
High&low pressure alarm
Power failure alarm



Innovative cooling system

Application

1. Medical use: connect with ventilator or anaesthesia machine, small hospitals, etc
2. Industrial use: welding, glass cutting, etc
3. Fish farming, aquaculture
4. Veterinary use
5. Oxygen therapy

Optional Function

Oxygen tank 200L/300L/500L/1000L/
2000L/3000L

Specification

Flow Rate	0-10LPM / 0-20LPM
Purity	93% (±3%)
Outlet Pressure	0.14-0.4MPA (20-60PSI)
Sound Level	< 50db / < 60db
Power Consumption	≤ 1250w / ≤ 2000w
LCD Display	Switch times, operating pressure, present working time, accumulated working time
Net Weight	90Kgs / 149Kgs
Alarm	Low purity alarm ,High&low pressure alarm, Power failure alarm
Size	460×730×990mm / 850×880×790mm



Easy operation
Connect with ventilator
or anaesthesia machine



Optional:
Christmas Connector



Different specification
to choose

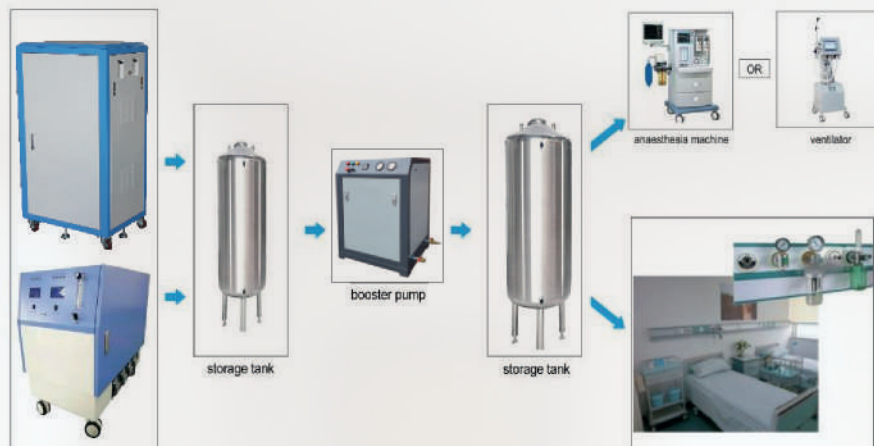


Application

1. JAY-5 / JAY-8 / JAY-10 oxygen concentrator with ordinary pressure (0.04-0.07Mpa): Suitable for oxygen supply for small animals, such as dog, cat, etc.
2. JAY-10-4.0 / JAY-20-4.0 oxygen concentrator with high pressure (0.14-0.4Mpa): Oxygen supply for big animals such as horse, ox, etc. 0.4Mpa oxygen machine can be connected with ventilator or anaesthesia machine.

Specification

Flow Rate	0-5LPM/ 0-8LPM / 0-10LPM	0-10LPM /0-20LPM
Purity	93% (±3%)	
Outlet Pressure	0.04-0.07MPA (6-10PSI)	0.14-0.4MPA (20-60PSI)
Alarm	Power failure alarm; high/low pressure alarm	
Power	AC220V (±10%), 50/60±1Hz; AC110V (±10%), 50/60Hz (±1Hz)	



Application

1. Medical use : connect with ventilator and anaesthesia machine.
2. Connecting small central oxygen supply.
3. Oxygen supply to clinics and small hospitals with 5-50 beds.
4. Optional Booster Pump: 2-8 Bar.

Specification

Oxygen Flow	0-15LPM / 0-20LPM / 0-30LPM / 0-40LPM / 0-60LPM
Oxygen Concentration	93% (±3%)
Outlet Pressure	0.04-0.07Mpa (6-10PSI)
Power	AC220V±10%,50/60HZ;AC110V±10%,50/60HZ
Sound Level	≤60db / ≤60db / ≤60db / ≤60db / ≤60db
Power Consumption	≤850w / ≤1100w / ≤1650w / ≤2200w / ≤3300w
Net Weight	90Kgs / 95Kgs / 140Kgs / 160Kgs / 245Kgs
Size	680x500x1580 / 680x500x1580 / 860x630x1580 / 860x630x1580 / 860x630x2120mm



Application

1. Industrial use such as welding, glass cutting.
2. Fish farming, aquaculture
3. Oxygen supply for ozone generator
4. Oxygen cylinder filling system

Specification

Flow Rate	0-15LPM/0-20LPM/0-30LPM/0-40LPM/0-60LPM
Purity	93% (±3%)
Outlet Pressure	0.04-0.07MPA (6-10PSI)
Sound Level	≤60db / ≤60db / ≤60db / ≤60db / ≤60db
Power Consumption	≤850w / ≤1100w / ≤1650w / ≤2200w / ≤3300w
LCD Display	Switch times, operating pressure, present working time, accumulated working time
Net Weight	90Kgs / 95Kgs / 140Kgs / 160Kgs / 245Kgs
Alarm	Low purity alarm ,High&low pressure alarm, Power failure alarm
Size	680x500x1580 / 680x500x1580 / 860x630x1580 / 860x630x1580 / 860x630x2120mm