

## Hospital Medical Oxygen Generator System Portable Medical Center Nursing 300lpm

Our Product Introduction

### Basic Information

- Place of Origin: SUZHOU, CHINA
- Brand Name: SUMAIRUI GAS
- Certification: ISO9001, CE, BV, SGS, TUV, ASME, GOST,NB,NR ETC
- Model Number: OSO
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Packaging Details: Exporting wooden case /Film packing
- Delivery Time: 4-5 weeks
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 100 sets/months



### Product Specification

- Material: Stainless Steel
- Purity: 93%-99.5%
- Flow: 500-1000 SCFM
- Pressure: 5-200 Bar
- Control Type: PLC Controls
- Oxygen Analyzer: Included
- HMI: Included
- Flow Meter: Included
- Manometer: Included
- Towers: Twin
- Color: White
- Container Mode: Customized
- Plug And Play: Option
- Highlight: **hospital medical oxygen generator 300lpm, medical oxygen generator system,**

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## Product Description

### Portable oxygen concentrator 300 lpm purity 95% for sale supply used for hospital/Medical center/Nursing

#### Description

Pressure swing adsorption (PSA) is a technology used to separate some gas species from a mixture of gases under pressure according to the species' molecular characteristics and affinity for an adsorbent material.

It operates at near-ambient temperatures and differs significantly from cryogenic distillation techniques of gas separation.

Specific adsorbent materials (e.g., zeolites, activated carbon, molecular sieves, etc.) are used as a trap, preferentially adsorbing the target gas species at high pressure. The process then swings to low pressure to desorb the adsorbed material.

#### Features

- Oxygen at any time and at any place
- Cost-effective through low operating costs
- Sophisticated and reliable technology
- Exact purity for every application
- No rental commitments as with bottles/bundles and tank systems
- No CO2 pollution for the environment
- No hazardous goods
- No risk of explosion
- In-house placement and production



#### Standard features

Control system with SIEMENS color touch panel

Molecular sieve moisture protection

Automatic start/stop

Built in purity analyzer for continuous monitoring

Reliable - built for uninterrupted operation

Designed for dynamic pressure loading

Stainless Steel Robust Design Piping (AISI316)

Data logging (saved on memory card)

Audio / visual alarm

Purity control

### Optional features

GSM modem (remote start / stop, SMS status, alarm warning SMS)

Flow meter with totalizer

Oxygen Dew Point Sensor

Temperature sensor

Modbus TCP / IP connection

Remote control

NO	Model	Capacity (L/min)	Purity	Outlet pressure (Mpa)	Outlet (mm)	Dimensions (L*W*H mm)	Weight (KG)
1	OSO-M50	50	93±3%	0.2-0.4 Mpa	DN10	1250*1000*1900	300
2	OSO-M100	100			DN10	1400*1250*1950	400
3	OSO-M200	200			DN15	1800*1600*2300	600
4	OSO-M400	400			DN25	2100*2000*2400	800
5	OSO-M500	500			DN25	2200*2100*2450	1000
6	OSO-M600	600			DN25	2300*2200*2600	1200
7	OSO-M800	800			DN25	2450*2200*2650	1400
8	OSO-M1000	1000			DN45	2500*2250*2750	1800

#### Design reference:

- Compressed air inlet pressure 7.5 bar(g)/108 psi(g)
- Air quality 1.4.1 according to ISO 8573-1:2010
- Oxygen outlet pressure 2-4 bar(g)/58psi(g)
- Oxygen quality 1.2.1 according to ISO 8573-1:2010
- Twin towers with instruments
- Designed working temperature max 50 °C
- Dew point at Oxygen outlet - 50 °C

#### Notes:

Following request of oxygen generator will be customized:

- ※ Oxygen outlet pressure >4 bar(g)/58 psi(g)
- ※ Filling cylinders 150 bar(g)/200 bar(g)/300 bar(g)
- ※ Dew point < - 50 °C
- ※ Movable/containerized, plug and play
- ※ Other special requirements as per site conditions



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