



Vpsa Oxygen Concentrator System For O2 Gas Equipment 40 Nm3/Hr Purity 5 Bar

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: 30-45 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 100 sets/months



Product Specification

- Material: Mild Steel/Stainless Steel
- Purity: 93%-95%
- Pressure: 3-5 Bar
- Capacity: 10-1000Nm3/hr
- Type: Plug And Play
- Twin Adsorbers: Yes
- Customized: Available
- PLC: S7-1200
- HMI: 7 Inches
- Voltage: 220-575V 50Hz/60Hz
- Filling Cylinders: Option
- Color: Customized
- Highlight: **psa oxygen concentrator, vpsa oxygen generator, psa system for oxygen**

Product Description

High quality PSA oxygen generator for O2 gas equipment for 40 nm3/hr purity 5 bar with ISO9001 certificates

What Is an Industrial Oxygen Generator and What Does it Do?

Industrial oxygen generators separate oxygen from compressed air using a special selective adsorptive technology, also known as PSA. There is a presence of oxygen within this compressed air of 21%, (with 79% nitrogen) which is allowed to flow through a zeolite molecular sieve. This maintains nitrogen which results in high purity oxygen at industrial and commercial gas production sites.

The PSA process detailed above is similar to that of a nitrogen generator, however the adsorptive material inside the sieve isn't made of carbon as is the case with nitrogen, but is instead comprised of zeolite. A unique aspect of zeolite and the reason it is ideal for oxygen generators is due to its ability to discharge retained nitrogen gas when the pressure within the generator is reduced. In essence, this makes it relatively simple to regenerate the medium for a further cycle of oxygen generation with an industrial oxygen generator.

The Various Applications for an Industrial Oxygen Generator

There are multiple functions and applications for PSA oxygen generators on industrial, medical, and commercial sites, including the following:

Papermaking

Metallurgy

Medical use

Glass manufacturing

Multiple food and beverage industries

Chemical oxidation practices and processes

Commercial fish farming

Sewage plants and wastewater treatment plants

Various different forms of mining

Gasification processes

Oxygen features :

Key Features

Cost effective industrial grade oxygen, available on-demand - no more gas deliveries!
Highly reliable & uninterrupted on-site supply of oxygen for industrial applications

Models available

Verified purity, independently tested by the National Physical Laboratory

Expandable capacity, with ability to increase capacity as oxygen needs grow

Remote monitoring, live product status information at your fingertips, wherever you are
Standalone or turnkey solutions available, for rapid deployment & flexibility to move as required

Robust safety features, including purity monitoring & bypass safeguard

Energy efficient & low operating costs, with standby mode when no oxygen delivery required

Precision engineered and manufactured in our ISO 9001 centre of excellence

Lower carbon footprint & environmentally friendly

Quality guaranteed with built-in PurityGuard™ gas monitoring & application protection system.

| Model | Capacity (Nm3/hr) | Purity | Outlet pressure (Mpa) | Inlet (mm) | Outlet (mm) | Dimensions L*W*H (mm) | Weight (KG) |
|-------|-------------------|--------|-----------------------|------------|-------------|-----------------------|-------------|
| OSO5 | 5 | | | DN20 | DN10 | 1350*1200*1800 | 800 |
| OSO10 | 10 | | | DN25 | DN15 | 1800*1250*2200 | 1200 |
| OSO15 | 15 | | | DN25 | DN15 | 2100*1450*2200 | 1500 |
| OSO20 | 20 | | | DN40 | DN25 | 2300*1550*2450 | 1800 |
| OSO30 | 30 | | | DN40 | DN25 | 2450*1650*2550 | 1950 |

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|--------|-----|-------|-------------|-------|-------|----------------|-------|
| OSO35 | 35 | 93±3% | 0.2-0.4 Mpa | DN50 | DN25 | 2650*1900*2550 | 2150 |
| OSO40 | 40 | | | DN50 | DN25 | 2800*2200*2600 | 2200 |
| OSO50 | 50 | | | DN50 | DN25 | 3100*2450*2700 | 2350 |
| OSO60 | 60 | | | DN65 | DN40 | 3300*2600*2900 | 2550 |
| OSO80 | 80 | | | DN80 | DN50 | 3500*2950*3100 | 3300 |
| OSO100 | 100 | | | DN80 | DN50 | 3850*3100*3300 | 4000 |
| OSO150 | 150 | | | DN100 | DN65 | 4100*3300*3450 | 5100 |
| OSO200 | 200 | | | DN125 | DN80 | 4600*3550*3500 | 6200 |
| OSO250 | 250 | | | DN125 | DN80 | 5500*3900*3900 | 8500 |
| OSO300 | 300 | | | DN150 | DN100 | 5800*4200*3980 | 10500 |



Suzhou Sumairui Gas System Co.,Ltd.



+8613812659092



dylan@sumairui.com



n2-nitrogengenerator.com

No 161,ZhongfengJie, Suzhou High technology district, Suzhou