

Portable Medical Oxygen Generator For Hospital Pharmacy 95% Purity

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

- Purity: 95%
- Pressure: 5-10 Barg
- Material: Stainless Steel
- Flow: 5-200 Nm3/h
- Certificates: CE, ISO, ASME, GOST, KGS, NB Etc
- Application: Hospital And Pharmacy
- Cylinder System: Customized /Option
- Cylinders: 40L/50L
- Instrument: Included
- HMI: Included
- Flow Meter: Included
- PRV: Included
- PLC: Siemens S7-1200
- Valves: Burkert
- Highlight: **portable medical oxygen generator.**

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Product Description

OSO 95% purity Medical oxygen generator used for hospital and pharmacy with CE certificates

PSA TECHNOLOGY

PRESSURE SWING ADSORPTION

Pressure Swing Adsorption can be used to produce Oxygen from compressed air, which is fed to the unit that uses adsorption phenomena to remove the contaminants: H_2O and CO_2 are removed as other minor contaminants.

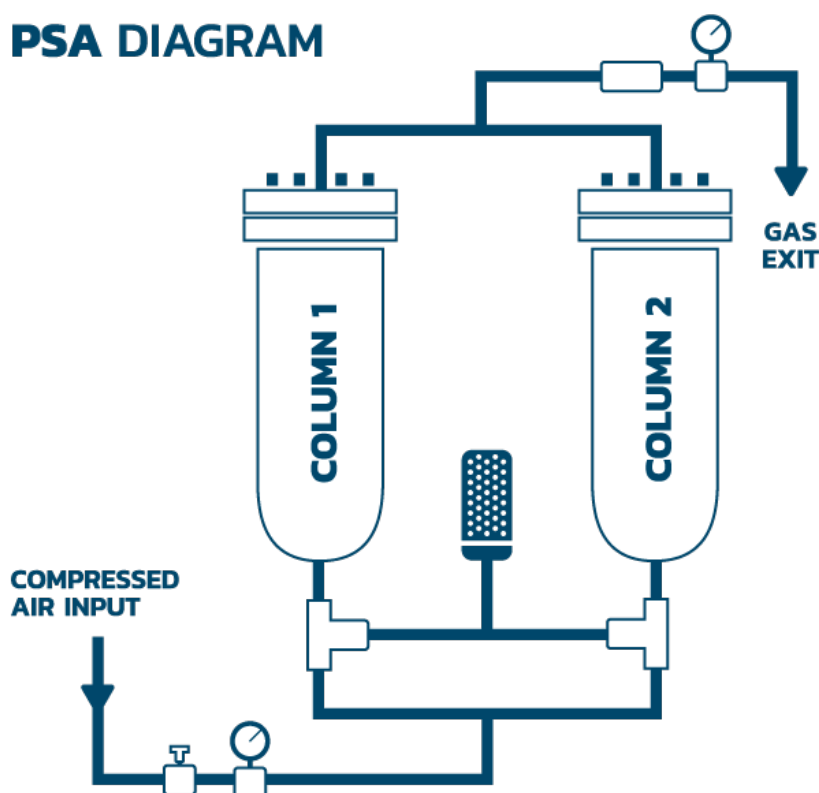
The PSA unit contains two columns packed with a selective adsorbent that has affinity towards the component to be removed: zeolite is used to produce O_2 .

Each column undergoes a cyclic sequence of high and low pressure steps that guarantees the production of a continuous flow of high purity gas.

In the high pressure step, the adsorbent retains the contaminants present in the compressed air and the desired gas (O_2) is obtained from the top of the columns.

The regeneration is accomplished in the low pressure step, with the release of contaminants retained by the adsorbent.

PSA DIAGRAM

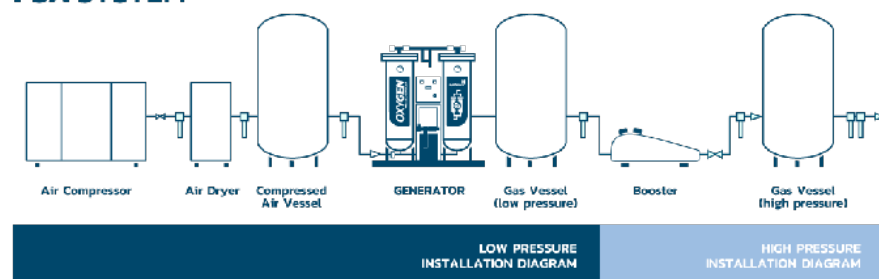


PSA ADVANTAGES

• Economy – 90% reduction in the cost of Nitrogen

- Convenience – elimination of logistical and administrative operations
- Continuous availability – elimination of orders and deliveries
- Modularity / Scalability – your installation grows with you
- Robustness, reliability and durability
- Reduced maintenance
- Security
- Ready-to-use engineering solutions

PSA SYSTEM





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