

SUZHOU, CHINA

SUMAIRUI GAS

GOST,NB,NR ETC

OSO

Negotiable

30-45 days

100 sets/months

ISO9001, CE, BV, SGS, TUV, ASME,

Exporting wooden case /Film packing

L/C, T/T, Western Union, MoneyGram

Gas Oxygen Generator Industrial For Sale Food Beverage Industries 7 Bar 400I/Min

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity: 1 set
- Price:
- Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:



Product Specification

Material:

• Pressure:

Capacity:Type:

• Twin Adsorbers:

• Customized:

PLC:HMI:

• Voltage:

• Size:

• Highlight:

Certificates:Color:

• Purity:

Mild Steel/Stainless Steel 93%-95% 3-5 Bar 10-1000Nm3/hr Plug And Play Yes Available S7-1200 7inches 220-575V 50Hz/60Hz CE, ISO, ASME, GOST, KGS, NB Etc



- As Per Actual Size
- - oxygen generator industrial for sale, gas oxygen generator 7 bar,



Our Product Introduction

Multiple food and beverage industries oxygen generator with certificate by pressure 7 bar & capacity 400l/min

Product Description

PSA oxygen generator principle description

1. Pressure Swing Adsorption Oxygen Generation System Pressure Swing Adsorption (PSA) is an advanced gas separation technology, which has an irreplaceable position in the field of gas supply in today's world.

- 2. PSA technology has the following advantages:
- * The purity of the product can be adjusted to a certain extent with the change of flow;
- * Work under medium and low pressure, safe and energy-saving;
- * Simple equipment and easy maintenance
- * Touch screen control, fully automatic unmanned operation.
- 3. The principle of pressure swing adsorption

In the case of adsorption equilibrium, when any kind of adsorbent adsorbs the same gas, the higher the gas pressure, the greater the adsorption capacity of the adsorbent. Conversely, the lower the pressure, the smaller the adsorption capacity.

Introduction to the characteristics and functions of Oxygen generator

1. The adsorption tower adopts advanced combined coconut pad compaction technology. It enters the working state when the oxygen generator starts to work. In the working state, the molecular sieve is always pressed tightly, and the molecular sieve will not be crushed at the same time, which avoids the high-speed airflow. The phenomenon of molecular sieve powdering caused by impact. Compared with spring compression, cylinder compression, and airbag compression devices, this compression device is more reliable and more convenient for maintenance.

2. The advanced lotus-shaped component design fully considers and avoids the high-speed impact of the gas on the molecular sieve during the adsorption process, avoids the pulverization of the molecular sieve caused by the high-speed impact of the gas flow, and avoids the powdered powder from entering the pipeline and valve. Valve leakage, jamming, etc.

3. The professional blizzard combined filling technology makes the molecular sieve packed more uniformly and densely, ensuring that the molecular sieve does not produce a fluidized state during the adsorption process, and there is no need to regularly supplement the expensive molecular sieve.

4. The original molecular sieve composite bed structure ensures that the water content of the air entering the molecular sieve is low, so that the molecular sieve will not absorb excessive moisture and affect the decrease of mechanical strength, which is beneficial to the long-term service life of the molecular sieve.

5. Sumairui Gas adopts German imported valves, the response speed is 0.02 seconds, and the normal state continuous switching reaches more than 2 million times. It has the characteristics of simple structure, reliable sealing, and fast closing speed. It is the fundamental guarantee for oxygen purity and reliable equipment operation.

6. The intelligent controller of the international famous Siemens PLC programmable controller and the two-position three-way solenoid valve imported from Germany are selected to ensure the continuous and reliable operation of the nitrogen generator.

7. The use of stable and excellent air source purification refrigeration dryers and other supporting equipment, including the refrigeration dryer, the filter automatically drains, and the filter housing has a pressure difference meter to observe the working conditions of the filter at any time to ensure air quality and provide a good air source ;

8. The system equipment is equipped with pressure gauges, safety valves, matching flanges and other pipeline accessories. The complete set of equipment is assembled with a bottom frame. The internal pipeline valves have been connected. The site positioning and installation are extremely convenient, and only external pipelines need to be connected.

9. Detailed equipment operation, maintenance, and training plans are considered for users to ensure the correct operation and maintenance of management operators.

maintena	nce of man	agement		-		-	
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*18 00	800
OSO10	10			DN25	DN15	1800*1250*22 00	1200
OSO15	15			DN25	DN15	2100*1450*22 00	1500
OSO20	20			DN40	DN25	2300*1550*24 50	1800
OSO30	30			DN40	DN25	2450*1650*25 50	1950
OSO35	35			DN50	DN25	2650*1900*25 50	2150
OSO40	40			DN50	DN25	2800*2200*26 00	2200
OSO50	50]		DN50	DN25	3100*2450*27 00	2350
OSO60	60]		DN65	DN40	3300*2600*29 00	2550
OSO80	80	93±3%	0.2-0.4 Mpa	DN80	DN50	3500*2950*31 00	3300
OSO100	100]		DN80	DN50	3850*3100*33 00	4000
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SO150	150		DN100	DN65	4100*3300*34 50	510
SO200	200		DN125	DN80	4600*3550*35 00	620
SO250	250		DN125	DN80	5500*3900*39 00	850
SO300	300		DN150	DN100	5800*4200*39 80	105

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. 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





