



We, Separate Air

Since 1987

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WHY&HOW TO SET UP **YOUR** Oxygen Filling Station



PSA OXYGEN GENERATORS NTK SERIES

The premium performance

The unique NTK design provides steady high flow rates of oxygen with minimum footprint requirement. Together with molecular sieve protection from moisture substantially lower the service costs, extends the lifetime and provides savings.

**WORLD CLASS
PSA OXYGEN GENERATORS
MANUFACTURERS**

UP TO 98%+-1% HIGH PURITY



PSA OXYGEN GENERATORS NTK SERIES

Oxygen Generators

Typical applications

Cutting/Welding

Fish farming

Glass production Gold

leaching Health-care

Ozone production

Veterinary

Water treatment



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WHY YOU NEED SET UP A OXYGEN FILLING LINE INSTEADY OF BUYING CYLINDER GAS DIRECTLY

Take a example for calculation:

Suppose you need or sell 200 cylinder gas oxygen in 24hours (each cylinder=40L/150Bar)
You need our Model NTK-50P Oxygen System.

If you are Buying cylinder gas oxygen

Per day Cost: $A \times 200 = B$ USD

Per week Cost: $B \times 7 = C$ USD

Per month Cost: $C \times 4 = D$ USD

Per year Cost: $D \times 12 = E$ USD

A = Cylinder gas price

If A=8 USD then E = 537,600 USD

If you invest your own oxygen filling line

Per day Cost: $F \times 110\text{kw/hr} \times 24\text{hrs} = G$ USD

Per week Cost: $G \times 7 = H$ USD

Per month Cost: $H \times 4 = I$ USD

Per year Cost: $I \times 12 = J$ USD

F = Local electricity unit price

If F=0.2 USD then J = 177408 USD

+ Investment for complete line

**Still Saving up almost 60% of your
money instead of buying cylinder gas**

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COMPANY INTRODUCTION

First and Only PSA Technology with 98%+-1% Oxygen Generator Manufacturer in China

- Founded in 2000, Registration Funds 5 million USD
- Focus on Providing Best Performance Oxygen/Nitrogen Generators Worldwide.
- Advantages: One-Stop Solution Services



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PSA OXYGEN GENERATORS NTK SERIES

Model Selection

Model	Capacity(Nm ³ /hr)	Air Consumption(Nm ³ /min)	Inlet(DN)	Outlet(DN)	Air Purification System
NTK-1P	1	0.45	15	10	NTK-1P
NTK-3P	3	0.75	15	10	NTK-3P
NTK-5P	5	1.5	25	15	NTK-5P
NTK-10P	10	2.8	32	15	NTK-10P
NTK-15P	15	4.5	40	20	NTK-15P
NTK-20P	20	5.0	40	20	NTK-20P
NTK-30P	30	8.4	50	20	NTK-30P
NTK-50P	50	13.5	65	25	NTK-50P
NTK-100P	100	28.5	80	32	NTK-100P
NTK-150P	150	42	100	40	NTK-150P
NTK-200P	200	56	125	40	NTK-200P

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COSIST OF A OXYGEN FILING SYSTEM

1. Air Compressor



Feed the air to oxygen generator



2. Air Buffer Tank



Buffering the air from compressor



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3. Air Purification System

Purify the compressed air coming from air compressor, dust/oil etc. removal function.

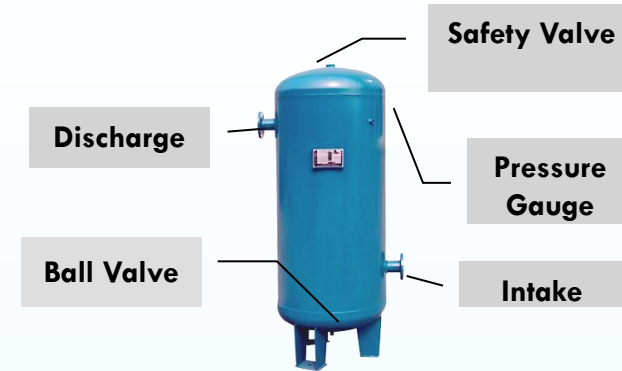


Air Purification System including

- 1- Oil-Gas Separator
- 2- Air Dryer
- 3- Precision filter T/A/H
- 4- Auto-Water Drainer etc.

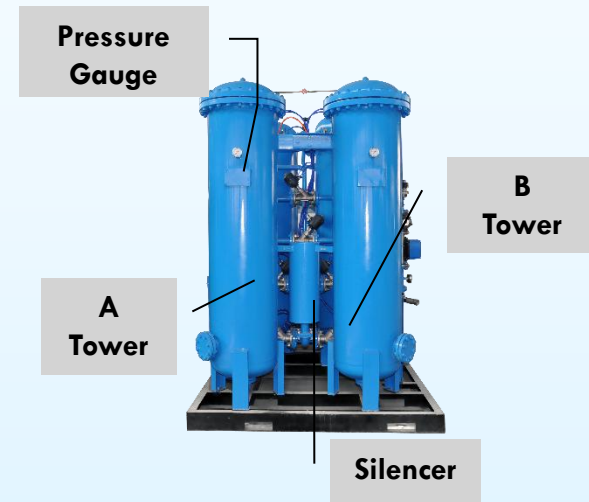
4. Air Buffer Tank

The function of this tank is ensuring to make oxygen-nitrogen separation system running smoothly. When the oxygen system is swing, the velocity of the air flow could be too fast, which affects the air purify. Improve the quality of the compressed air would help extending the life time of the molecular sieve.



5. Oxygen-Nitrogen Separation Skid

Oxygen-Nitrogen separation skid is the core of air separation system. The main body include twin adsorption towers which filled with zeolite molecular sieve. Clean compressed air pass first vessel to generate oxygen. The second vessel depressurize to normal pressure for regenerating. 2-vessels keep swing alternately for generating and Regenerating to making Oxygen continuously. These units are designed for 93%+-2% Oxygen.

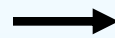


6. Oxygen Buffer Tank

Oxygen buffer tanks are used to equalize the pressure and purity of the oxygen that is separated from the oxygen generator to ensure continuous and stable oxygen supply. When the adsorption tower is swing, it will store part of the qualified oxygen back into the protective bed of the adsorption tower, and it will also help the tower to increase its pressure.

7. Oxygen Storage Tank

Storage the Pure Oxygen.



You can purchase by yourself

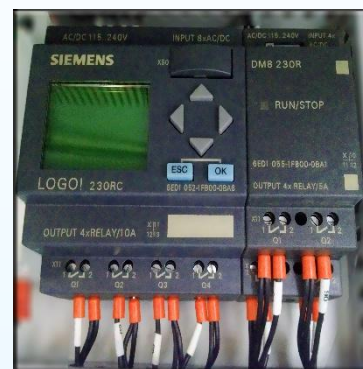


SPECIAL FEATURES

- ✦ Safety Filtration System
- ✦ Reliable ZMS filling Technique
- ✦ Reliable Valve Control
- ✦ France CECA ZMS Original
- ✦ Stable Control System
- ✦ Pressure and Flow Control
- ✦ Reliable Pressure Vessel
- ✦ Energy Saving Star
- ✦ Accurate Oxygen Purity Inspection



Spare Parts



- Angle Valve
- Solenoid Valve

- CECA ZMS
- Siemens PLC

- Airtac Valve
- IP55 Control Box

On-Site Pictures

■ **Zambia**



Air Compressor + Oxygen Generator



Filling Station

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■ **Indonesia**



Air Compressor + Oxygen Generator



Filling Station

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4. CLIENTS VISITING



Indonesia Client Visit



Syria Client Visit



Iran Client Visit



Turkmenistan Client Visit

We Supply More Products

Cryogenic Air Separation Plant for Gas & Liquid Oxygen/Nitrogen



OXYGEN BOOSTER



Gas Cylinders





We, Separate Air
Since 1987

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