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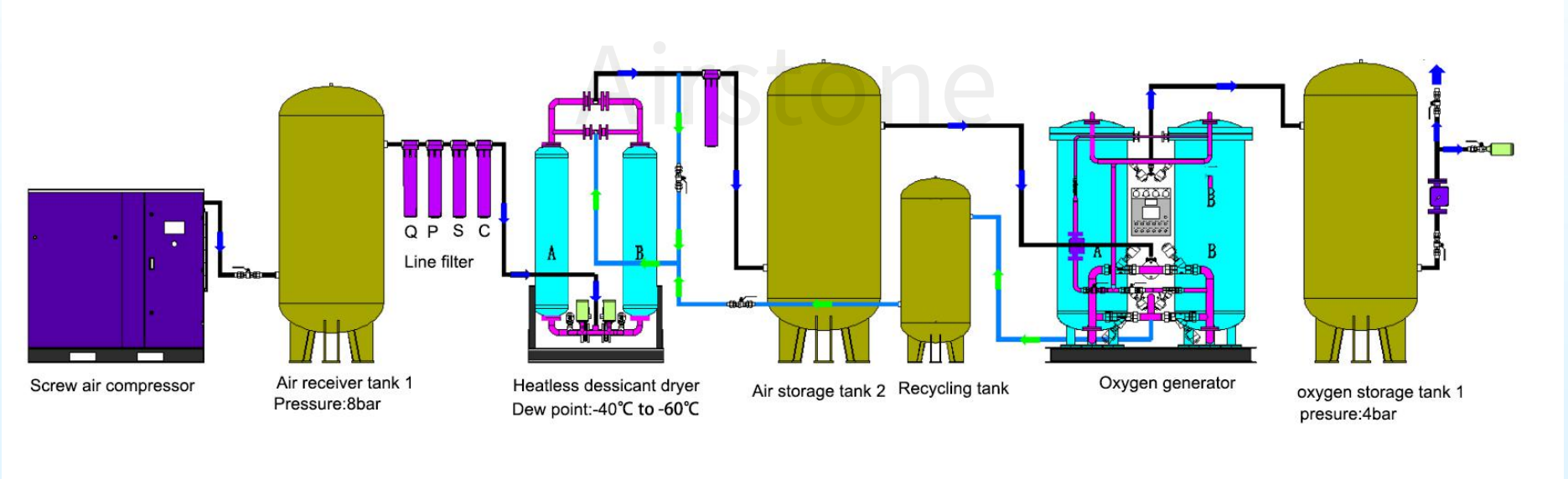
GENERAL CATALOGUE



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1.COMPANY INTRODUCTION

PSA Technology with 93%+3% Oxygen Generator Manufactuer in China

Dongguan Qianwei Mechnical equipment technology ltd

- Founded in 2000
- Focus on Providing Best Performance Oxygen/Nitrogen Generators Worldwide.
- Advantages: One-Stop Solution Services
- Fast delivery
- For covid-19

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2.MAIN PRODUCT CATALOGUE

PSA Oxygen Generator
(Skid-Mounted Standard, Cabinet Compact, Container Type)

WORLD CLASS
PSA OXYGEN GENERATORS
MANUFACTUERS

UP TO 93%±3%

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PSA OxygenGenerator Including:

1. Air Compressor → Feed the air to oxygen generator

2. Air Receiver Tank → Buffering the air from compressor

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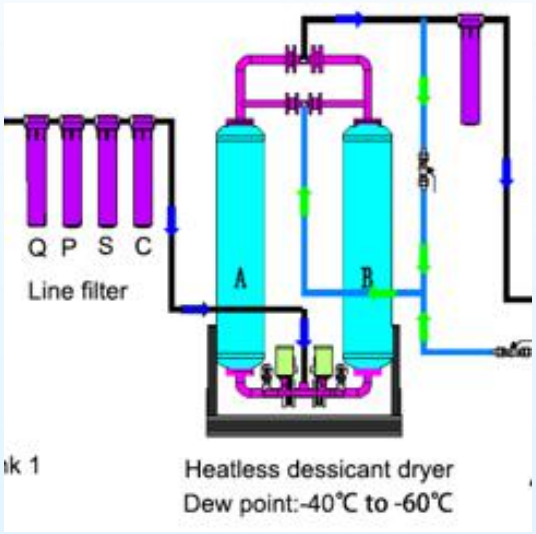
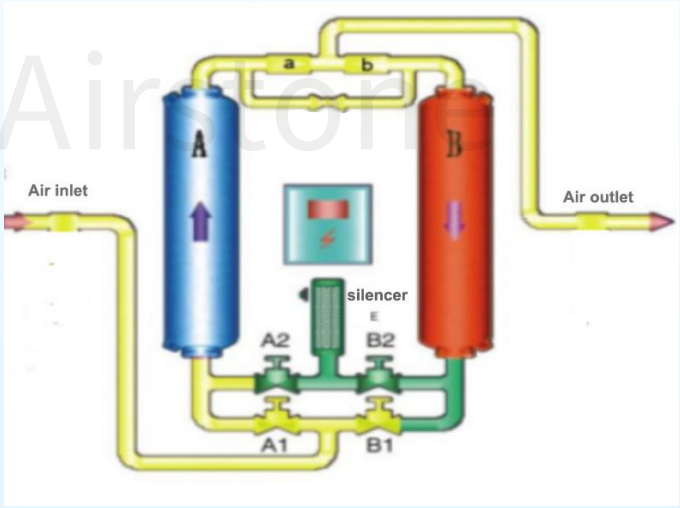
3. Air Purification System

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





Air Purification System including

1 Precision Line filter QPSC

2 Heatless desiccant air dryer

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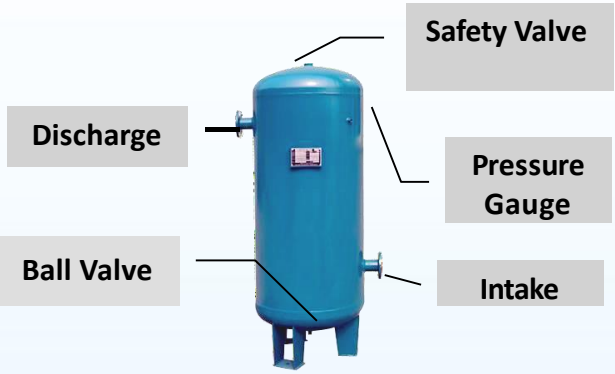
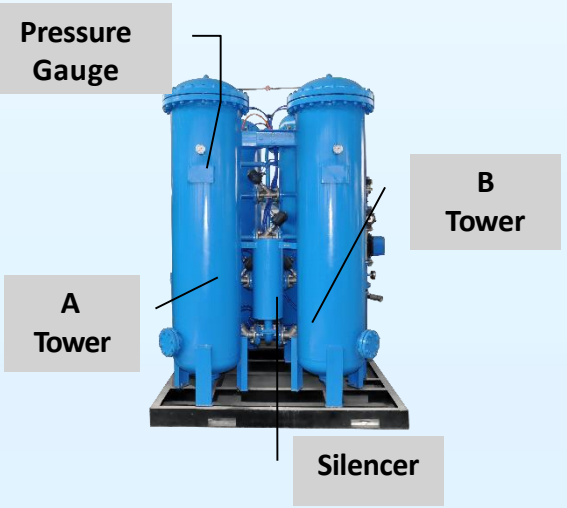
4. Air Buffer Tank

The function of this tank is to ensures that the oxygen-nitrogen separation system can use gas smoothly. When the oxygen-nitrogen separation system is switched production, the flow velocity of the air is prevented from being too fast, which affects the air purification effect, improves the quality of the compressed air entering the adsorption tower, and is beneficial to prolonging the life of the molecular sieve.



5. Oxygen-Nitrogen Separation Skid

Oxygen-Nitrogen separation skid is the core part of air separation. Its main body is two adsorption towers filled with zeolite molecular sieve. It has 2-vessels filled with Zeolite Molecular Sieves. Clean compressed air at 30° C temp. is passed through 1-vessel and Oxygen comes out as product gas. The other vessel is depressurized to atmospheric pressure and purged with little quantity of Oxygen coming out from other vessel. This regenerates Zeolite Molecular Sieves for use in next cycle. Thus 2-vessels keep cycling alternately in Oxygen production and Regeneration making Oxygen gas available continuously. These units are designed and supplied for 93% to 95% (Max) Oxygen purity.



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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 used, when the adsorption tower is undergoing regeneration to adsorption switching, 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 also purchase by yourself in local

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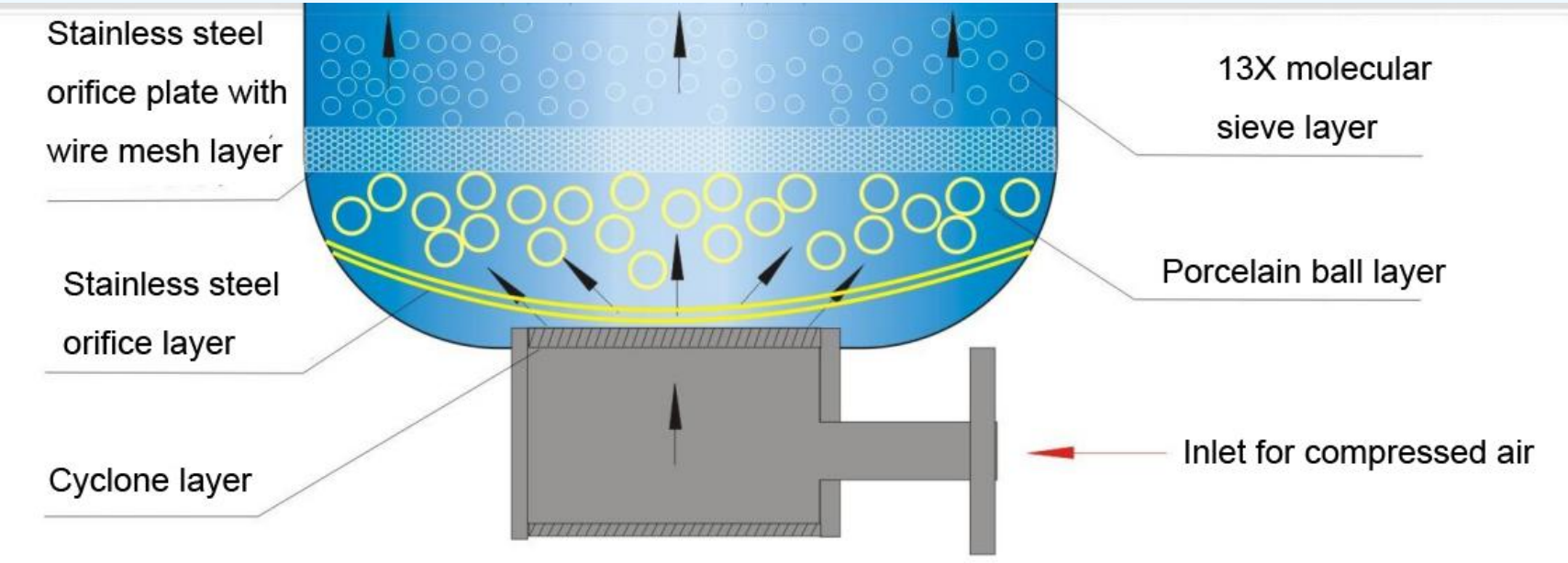
FEATURES

The adsorption tower in the new pressure swing adsorption oxygen generator produced by our company adopts a composite bed structure design. The top of the tower is a cylinder type + coconut cushion type automatic compression device, the upper part is a molecular sieve, and the lower part is a molecular sieve after activation. The compressed air is specially The airflow diffuser diffuses and enters the activated molecular sieve first after being buffered, so that the moisture in the compressed air is further adsorbed to ensure that the atmospheric dew point of the air when passing through the molecular sieve reaches below -45°C.



SPECIAL FEATURES

- Safety Filtration System
- Reliable ZMS filling Technique
- Reliable Valve Control
- Germany BF technology
- ZMS Original Stable
- Control System Pressure
- and Flow Control
- Reliable Pressure Vessel
- Energy Saving Star

ADM Accurate Oxygen Purity Inspection

Spare Parts

- Angle Valve
- Burkert Solenoid Valve
- CECA ZMS
- Siemens PLC
- Airtac Valve
- IP55 Control Box

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3.Cases

- 50Nm3/h Oxygen generator plant 150bar for filling cylinder

Air Compressor+Air tank+ Oxygen Generator+150bar Oxygen booster

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3.On-Site Pictures

■ **India**

Air Compressor + Oxygen Generator

Filling Station

Indonesia

Air Compressor + Oxygen Generator

Filling Station

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Other Products We Supply

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8 bar booster compressor

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150 bar booster compressor

sr#	Oxygen flow	Model Number	Inlet pressure	Discharge pressure	Oxygen flow	Booster motor power	Dia of cylinder	Inlet thread	Outlet thread	Size	Weight
	Nm3/h		Mpa	Mpa	Nm3/h	KW				cm	kgs
1	5	WWY-5/4-（150-200）	0.4	15-20	5	4.0	φ50+φ30+φ20	Rc1/2	G5/8	1350X1000X1100	400
2	10	WWY-10/4-（150-200）	0.4	15-20	10	5.5	φ65+φ36+φ20	Rc1/2	G5/8	1350X1000X1100	410
3	15	WWY-15/4-（150-200）	0.4	15-20	15	7.5	φ65+φ36+φ20	Rc1/2	G5/8	1350X1000X1100	420
4	20	WWY-20/4-（150-200）	0.4	15-20	20	11.0	φ70+φ36+φ20	Rc1/2	G5/8	1350X1000X1100	430
5	25	WWY-25/4-（150-200）	0.4	15-20	25	11.0	φ70+φ36+φ20	Rc1/2	G5/8	1350X1000X1100	430
6	30	WWY-30/4-（150-200）	0.4	15-20	30	15.0	φ90+φ50+φ30	Rc1/2	G5/8	1350X1000X1100	450
7	35	WWY-35/4-（150-200）	0.4	15-20	35	15.0	φ90+φ50+φ30	Rc1/2	G5/8	1350X1000X1100	450
8	40	WWY-40/4-（150-200）	0.4	15-20	40	15.0	φ90+φ50+φ30	Rc1/2	G5/8	1350X1000X1100	450
9	45	SWY-45/4-（150-200）	0.4	15-20	45	18.5	2-φ70+φ50+φ30	Rc1/2	G5/8	1450X1100X1250	580
10	50	SWY-50/4-（150-200）	0.4	15-20	50	18.5	2-φ70+φ50+φ30	Rc1/2	G5/8	1450X1100X1250	580
11	55	SWY-55/4-（150-200）	0.4	15-20	55	18.5	2-φ70+φ50+φ30	Rc1	G5/8	1450X1100X1250	580
12	60	SWY-60/4-（150-200）	0.4	15-20	60	22.0	2-φ70+φ50+φ30	Rc1	G5/8	1450X1100X1250	600

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Gas Cylinders