



SinoCleansky  
Gas Container & Solution



## SinoCleansky Air Separation Plant(ASU)

### Small and Medium-Sized Air Separation

Air separation units(ASU) produce high purity oxygen,nitrogen,argon and rare gases through a combination of adsorption purification,cryogenic distillation and internal compression of high pressure products.



### Feature

- 1.ASU which was designed with low-pressure process.
- 2.Eliminated the high power consumption characteristic in conventional designs.
- 3.With the strictest health, safety, environmental and quality (HSEQ) standards.
- 4.State-of-the-art technologies and proven design for reliable operations.
- 5.Our service portfolio includes continued operational support, operator training, maintenance and repairs, spare parts services, as well as plant modifications and revamps.

### Typical Model

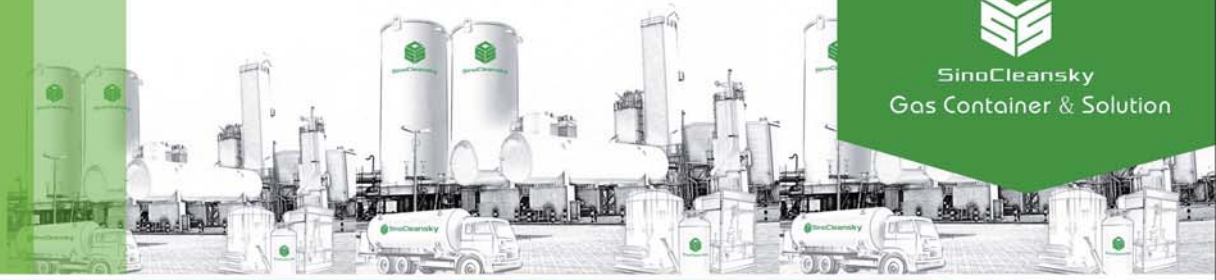
KDON-170/400 Air Separation Plant (i.e.: Gaseous oxygen170M<sup>3</sup>/H,Gaseous nitrogen 400M<sup>3</sup>/H)  
 KDON-200/400 Air Separation Plant  
 KDON-350~550/800 Air Separation Plant  
 KDON-1000/1000 Air Separation Plant  
 KDN-140Y/ASU Plant(i.e.:LN<sub>2</sub> 140L/H)  
 KDON-450Y-200Y Liquid Plant(i.e.:LO<sub>2</sub> 450Nm<sup>3</sup>/h<15.4ton/day> ) (LN<sub>2</sub> 200Nm<sup>3</sup>/h<6ton/day>)

### Main Equipment

NO	Description	Unit	Quantity.
1.	Air Filter	set	1
2.	Air Turbo Compressor	set	1
3.	Air Pre-cooling system	set	1
4.	Air Purifying system	set	1
5.	Rectification system	set	1
6.	Booster turbo-expander	set	1
7.	Instrument control system	set	1
8.	Electricity control system	set	1
9.	Oxygen compressor	set	3
10.	Oxygen storage tank	set	1
11.	Installation Material	set	1
12.	Technical service (Training, site supervision on installation and commissioning. )	set	1



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## SinoCleansky PSA Oxygen Plant

### Main Equipment

**Oxygen parameter: output oxygen 95%(±3), All equipments in a skid.**

NO.	Description		Note
1	Air Compressor	Screw air Compressor	Atlas, Sweden
2	Air purify system	Efficient oil removal filter	Professionally manufactured, integrating three-stage filtration
3		Freeze dryer	Imported brands of main parts
4		Precision filter	American imported filter material
5		Activated carbon filter	American imported filter material
6	Oxygen making system	Air buffer tank	Used for air cushioning to stabilize intake pressure
7		PSA oxygen generator	Imported Molecular sieve
8		Oxygen buffer tank	For Oxygen buffering
9		Dust fine filter	American imported filter material

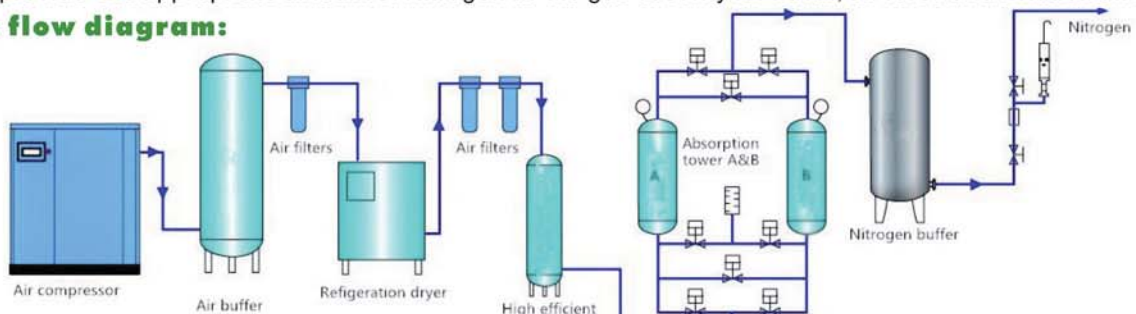


## SinoCleansky PSA Nitrogen Generator

PSA Nitrogen Generators can meet varieties of requirements of coalmine, oil, new energy, electronics, food, military and other industries.

They also can provide the appropriate amount of Nitrogen as the gas security for naval, air force and aviation units, etc.

**Process flow diagram:**



Air compressor → Air buffer → Air filters → Refrigeration dryer → Air filters → High efficient oil remover → A absorption tower → B absorption tower → Nitrogen buffer → Nitrogen

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