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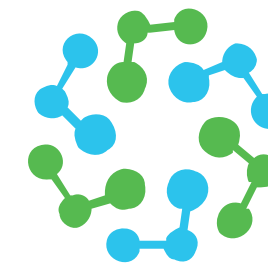


Excellence from Experience

Goodness

Harmony

Win-Win



CAPE GOLDEN
—— 岬角科技 ——

BeiJing Cape Golden Technology Company LTD.





Excellence from Experience , Harmony , Goodness , Win-Win

► Company Profile

Beijing Cape Golden Technology Company LTD., located in FangShan District, Beijing, China, one of the earliest manufacturers engaged in air separation technology research and development, which is professional on research, design, product and installation. The main products : PSA oxygen (nitrogen) machine , membrane separation (nitrogen) machine , medical oxygen generator , home oxygen generator and portable oxygen (nitrogen) machine , gas pipeline installation , diffusion oxygen system , etc . Cape Golden relies on the technology advantage of Tsinghua University, Chinese Academy of Sciences and China Agricultural University, with more than ten years experience of air separation technology, now we could meet customers' different requirements in various fields, we always insist on providing economic, reliable, efficient and standard instruments and service. Our users across China, Southeast Asia, Africa, Europe, North America, South America and more than 40 countries and regions. There have been thousand sets of our instruments operated normally till now.

Beijing Cape Golden Technology Company LTD. has a group of outstanding professionals, professional processing and testing equipments, perfect management system, strict quality control system, can provide customers with professional, comprehensive pre-sale, sale and after-sales service. The sales engineers can provide professional equipment selection consulting, professional, economic and reliable technology solutions according to different requirements and conditions of use of clients. The company's design and production personnel embody advanced technology and perfect manufacturing technology in every product. The service concept of the company's after-sales service system is " customer first ", this is to ensure every single product can reach perfected and the first time service, to ensure that each set of products can be kept in good working conditions.

Beijing Cape Golden Technology Company LTD. has always been adhering to the "Harmony is most precious, Credibility, honesty first" business philosophy, keeps continuous innovation, wholeheartedly services for the general customer, with first-class technology, high-quality product quality, perfect and timely after-sales service.





13 strict quality control process imparts each system outstanding quality and high reliability.

PRODUCTS

► PSA N₂ Generator

PSA N₂ Generator
PSA nitrogen generators can produce 95% to 99.99% purity of nitrogen at dew points to -60°C with flow rate up to 5,000 Nm³/h. Users can produce nitrogen gas from dry compressed air directly on actual demand. It's a more economical, more reliable and more convenient nitrogen gas solution than nitrogen gas cylinders and bulk nittrogen.

- Features:
- More reliable:
- Over 15 years' manufacturing& engineering experience, time-proven professional on-site gases systems.
- More economical
- REFLUX composition control system reduces air consumption capacity, saves energy cost.
 - Patented Energy Efficiency System enables Cape systems to make product gases based on actual demand.
- More convenient
- Touch screen central monitoring and control system enables parameters of capacity, purity, and pressure of product gases online display, gives running problem alarm, and reminds of maintenance.
 - Automatically control, unattended operation.



Capacity (Nm³/h)	Purity(%)	Model	Dimensions (mm)			Inlet	Outlet
			L	W	H		
5	95	SYNL-5	570	450	1200	G1/4	G1/4
	99	SYNP-5	580	460	1350	G1/4	G1/4
	99.5	SYNG-5	1000	1000	1100	DN20	DN15
	99.9	SYNH-5	1000	1000	1400	DN20	DN15
	99.99	SYNZ-5	1100	1050	1300	DN20	DN15
10	95	SYNL-10	1050	1050	1300	DN20	DN15
	99	SYNP-10	1100	1100	1300	DN20	DN15
	99.5	SYNG-10	1100	1100	1450	DN20	DN15
	99.9	SYNH-10	1100	600	1400	DN20	DN15
	99.99	SYNZ-10	1300	750	1300	DN25	DN15
20	95	SYNL-20	1100	1100	1300	DN20	DN15
	99	SYNP-20	1200	1200	1450	DN20	DN15
	99.5	SYNG-20	1100	600	1500	DN20	DN15
	99.9	SYNH-20	1300	650	1500	DN20	DN15
	99.99	SYNZ-20	1400	700	1600	DN25	DN15
30	95	SYNL-30	1100	1100	1300	DN20	DN15
	99	SYNP-30	1200	1200	1450	DN20	DN15
	99.5	SYNG-30	1100	600	1500	DN20	DN15
	99.9	SYNH-30	1300	650	1500	DN20	DN15
	99.99	SYNZ-30	1400	700	1600	DN25	DN15
50	95	SYNL-50	1250	650	1500	DN40	DN25
	99	SYNP-50	1350	700	1750	DN40	DN25
	99.5	SYNG-50	1350	700	1800	DN40	DN25
	99.9	SYNH-50	1550	800	1750	DN40	DN25
	99.99	SYNZ-50	1650	850	2100	DN40	DN25
100	95	SYNL-100	1400	750	1850	DN40	DN25
	99	SYNP-100	1600	850	1950	DN40	DN25
	99.5	SYNG-100	1750	850	2020	DN50	DN25
	99.9	SYNH-100	1750	900	2280	DN50	DN25
	99.99	SYNZ-100	2000	1000	2300	DN65	DN25
200	95	SYNL-200	1750	900	2050	DN50	DN40
	99	SYNP-200	1950	1000	2160	DN50	DN40
	99.5	SYNG-200	2000	1100	2050	DN50	DN40
	99.9	SYNH-200	2000	1200	2350	DN65	DN40
	99.99	SYNZ-200	2200	1300	2800	DN80	DN40
300	95	SYNL-300	1900	1000	2150	DN65	DN40
	99	SYNP-300	2100	1150	2450	DN65	DN40
	99.5	SYNG-300	2200	1200	2350	DN65	DN40
	99.9	SYNH-300	2400	1300	2760	DN80	DN40
	99.99	SYNZ-300	2700	1450	3150	DN80	DN40
500	95	SYNL-500	2150	1600	2700	DN65	DN50
	99	SYNP-500	2450	1300	3000	DN65	DN50
	99.5	SYNG-500	2450	1300	3100	DN80	DN50
	99.9	SYNH-500	1750	1750	1750	DN80	DN50
	99.99	SYNZ-500	3100	1800	4620	DN80	DN50
1000	95	SYNL-1000	2300	1600	3900	DN100	DN80
	99	SYNP-1000	2300	1700	3900	DN100	DN80
	99.5	SYNG-1000	2500	1800	4200	DN125	DN80
	99.9	SYNH-1000	3150	1750	4700	DN125	DN80
	99.99	SYNZ-1000	3800	2100	5700	DN150	DN80

For more details, pls feel free to contact with us.



13 strict quality control process imparts each system outstanding quality and high reliability.

PRODUCTS

► Containerized N₂ System

Containerized N₂ System is mainly for portable & moving purpose, and specially used in oil field, airport, etc, where oxygen or nitrogen source is far away from consumers end. CAPE GOLDEN has many references in such applications for customers from different industries.

Features:

- Easy transportation, installation.
- Designed for extreme ambient conditions with extremely cold or hot temperature.
- Automatic operation, DCS communication available.
- Both electrical and diesel power are available.
- Customize the system to meet the customer's special requirements.



► N₂ Tire Inflator

The N₂ Tire Inflators are dedicated to develop the purest and the most reliable N₂ generation system for consumer and commercial vehicles.

The N₂ tire inflator will help the users to keep a proper tire inflation pressure which will maximize their car's tire life and fuel efficiency and the higher the nitrogen tire content the more consistent the tire pressure and longer the tire tread life, the system offers average vehicle inflation in less than 12 minutes with a capacity to deliver 99.9% pure nitrogen.



Specification:

- Nitrogen Purity: 95~99%
- Nitrogen Flow Rate: 60~228 L/min(4scfm)
- Working Pressure: 6~10bar
- Handle: 4~8tires
- Dimension: 620*600*1340(mm)/ 53"H X 24"W X 24"D
- Weight: 90~120Kg
- Built-in 1pcs of 25L Air and 2pcs N₂ buffer tank
- External two stages high efficiency air filters(or Built-in) with pressure regulator

Product feature:

- Low maintenance
- Heavy duty caster, portable and stable
- Sturdy Industrial cabinet
- 10 years plus time-proven PSA technology
- Maximum product N₂ purity up to 99.9%

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PRODUCTS

► PSA O₂ Generator

By PSA principles, SYOG series PSA oxygen generators generate 93±3% purity oxygen directly from compressed air. Compared with traditional Bulk liquid oxygen and cylinders, PSA oxygen generator can produce oxygen by your will, overcoming the limits of distance, location and transportation, By which, the users can reduce cost down to 50 percentages.

PSA Oxygen generators are serving various industries like hospital, glass and ampoule making, Aquaculture, paper and pulp, water treatment, ozone generation, etc.

Features:

- Over 15 years' manufacturing& engineering experience, time-proven onsite systems.
- High efficient and high quality of molecular sieve and proprietary PSA energy saving technology reduce compressed air consumption. 30% cost saving compared to bulk liquid oxygen and 50% over oxygen cylinders
- Fully automated oxygen generator is low maintenance and ideal for a variety of applications.
- Optional touch screen central monitoring and control system.
- Cabinet & Packaged type available.
- Turn-key solution, all systems pre-tested.



Model	Capacity (Nm³/h)	Dimensions (mm)			Inlet	Outlet
		L	W	H		
SYOG-1	1	620	505	1260	G1/4	G1/4
SYOG-2	2	1000	900	1400	DN15	DN15
SYOG-4	4	1050	600	1700	DN15	DN15
SYOG-5	5	1150	600	1620	DN15	DN15
SYOG-6	6	1150	600	1850	DN15	DN15
SYOG-8	8	1250	650	1820	DN15	DN15
SYOG-10	10	1300	700	1750	DN15	DN15
SYOG-15	15	1450	750	2120	DN15	DN15
SYOG-20	20	1550	800	2250	DN15	DN15
SYOG-25	25	1550	800	2700	DN20	DN15
SYOG-30	30	1550	850	2700	DN20	DN15
SYOG-40	40	1750	900	2900	DN20	DN15
SYOG-50	50	1850	950	3100	DN25	DN15
SYOG-60	60	1900	1060	3210	DN65	DN25
SYOG-100	100	2000	1200	3700	DN80	DN25
SYOG-200	200	2450	1400	4500	DN125	DN40

For more details, pls feel free to contact with us.



13 strict quality control process imparts each system outstanding quality and high reliability.

PRODUCTS

► Containerized O₂ System

Containerized O₂ System is mainly for portable & moving purpose, and specially used in oil field, airport, etc, where oxygen or nitrogen source is far away from consumers end. CAPE GOLDEN has many references in such applications for customers from different industries.

Features:

- Easy transportation, installation.
- Designed for extreme ambient conditions with extremely cold or hot temperature.
- Automatic operation, DCS communication available.
- Both electrical and diesel power are available.



► CFS O₂ Making & Cylinder Filling System

CFS self-contained oxygen system can generate O₂ and fill the O₂ cylinders on site. As a completely standalone O₂ generation system, the CFS system is fully automated with compact and easy operation design, it can produce O₂ and fill the cylinders based on actual demand. The CFS system is one of the best solutions for the small gas businesses; it is affordable and offers a new profit center for your O₂ business.

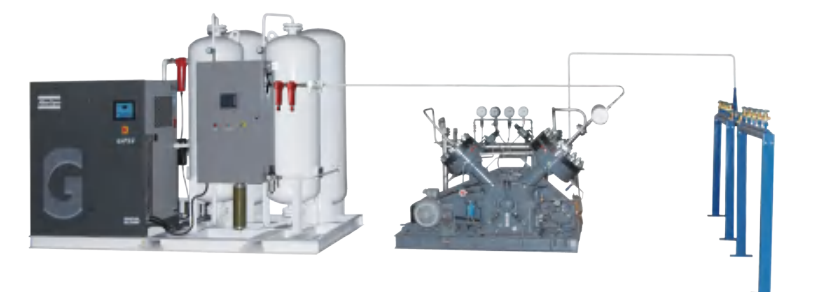
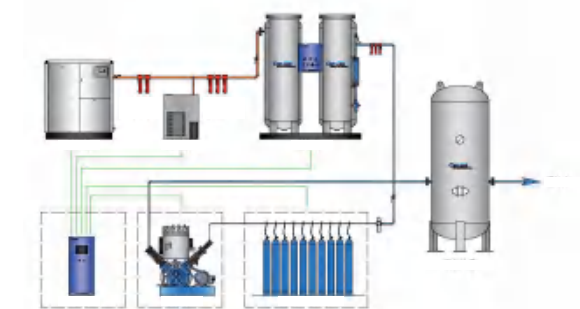
Features:

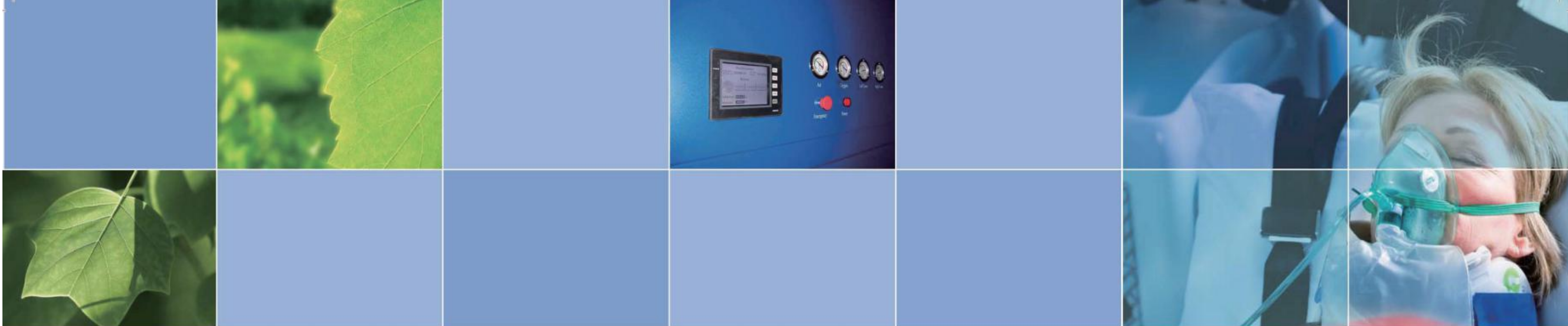
- Proven PSA technology, reliable and economy.
- Product O₂ can meet U.S.P medical 93% O₂ requirement.
- Fully automatic control and standalone run
- Compact design with small foot print,easy
- Plug and run design
- Low Maintenance

Models and Specification:

CFS-3 12 cylinders/day
CFS-5 20 cylinders/day
CFS-10 40 cylinders/day
CFS-20 80 cylinders/day
CFS-25 100 cylinders/day
CFS-50 200 cylinders/day
CFS-80 320 cylinders/day

Remark: Cylinder capacity is of 6m³





CFS-HP 99% **PRODUCTS** Oxygen Making & Cylinder Filling System ◀



The CFS-HP 99% O₂ system, a compact skid-mounted plant can realize one-stop 99% oxygen production and cylinder filling. Time-proven CAPE PSA technology makes the plant more economic, more convenient and more reliable. All parts are from famous brands with reliable performance. Unique design makes the plant cost-saving - high production rate with minimum power consumption.

Standard models with capacities from 3Nm³/h to 30Nm³/h are available now for the market, other customized models are available also. CAPE is ready at your service. Detailed model selection table is as below.

Key Features:

- Product O₂ purity up to 99%, meets more O₂ applications
- Proven PSA technology, reliable and economy
- Fully automatic control and standalone run
- Compact design with small foot print, easy installation
- Plug and play design.
- Low maintenance

Model	O ₂ flow Nm ³ /h	Filling pressure BarG	O ₂ purity %	Capacity Cylinders/day
CFS-HP-3	3	100~300 Customizable	98±1	12
CFS-HP-5	5			20
CFS-HP-10	10			40
CFS-HP-15	15			60
CFS-HP-20	20			80
CFS-HP-25	25			100
CFS-HP-30	30			120

O₂ cylinder volume is 40L.
Working 24 hours per day.
For power specs of 220/380V, 50Hz; others could be customized.





CAPO-HP 98% oxygen generator adopts PSA technology to make O_2 with Maximum purity up to 99%. It meets requirements for the applications such as steel cutting and so on.

Key Features:

- All-in-one design, all systems are integrated on a skid or two skids for easy installation and operation
- High efficient and reliable performance
- Fully automatic control
- Low maintenance

Specification:

- Oxygen purity: $98 \pm 1\%$
- Oxygen capacity: $1 \sim 200 \text{ Nm}^3/\text{h}$
- Delivery pressure: 4-5barg or customized

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► Heat Treatment

Nitrogen inerting and protection for the parts under high temperature is very important to prevent them from oxidization and to improve surface quality. Onsite nitrogen generation systems have been applied as inerting atmospheres to various processes in heat treatment such as converting process sealing, blast furnace top sealing, coal powder blowing, continuous casting, continuous rolling, stress remove, aging, annealing, carburizing, nitriding and carburization, quenching etc. They are also used as protecting gas for welding and powder metallurgy, purge gas and diluting gas also.

One-step PSA technology for high purity nitrogen generation or hydrogen purification using ammonia cracker or other hydrogen source as a low-cost alternative.

Specification:

Capacity: 5~2000Nm³/h

Purity: 99.5%~99.9999%

Dew Point: -45℃~-70℃



► Oil and Gas Industry

With considerable many years of experience in marine standards, kinds of classification requirements for explosion proof and IP, complying with related standards, systems provide oil and gas industries and marine industry with on-site nitrogen solutions with field-proven reliability.

On-site nitrogen systems are designed to be suitable for kinds of rigorous conditions and classifications requirements of marine industry, meet relative international industry standards such as ASME, API, Classification and IEC/NEC....and can meet third-part registration such as CCS.

Systems can provide qualified nitrogen which meets customized specifications requirements of flow, purity, and pressure, etc.

More reliable, more economical and more convenient On-site nitrogen systems.

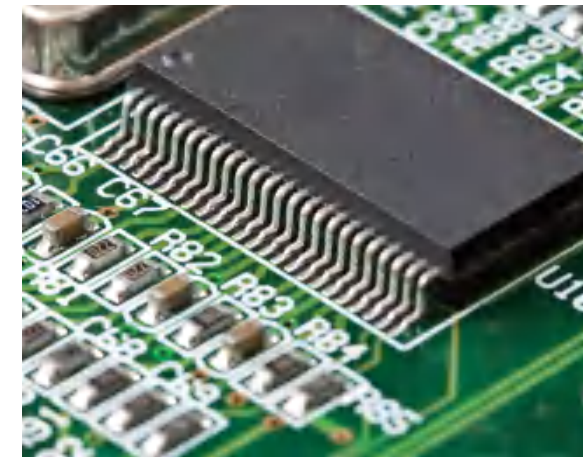
Features:

- Both PSA technology and membrane technology are available.
- Nitrogen capacity from 0.5 to 5000Nm³/h Nitrogen purity from 90% to 99.99% (with no balance of oxygen) adjustable
- Product dew point low to -65℃
- Product pressure from 2bar to 14 bar
- System pressure up to 5000psig is available with post compression



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► Food and Pharmacy

CAJ nitrogen generator provides a clean nitrogen blanket to food products such as edible oil, wine, juice, milk powder and so on. It prevents the growth of bacteria and preserves better freshness with fermentation control and odor suppress. Now nitrogen packaging is a trend for food industry to prevent food products spoilage, preserve freshness, maintain flavor and extends shelf life.

Nitrogen Capacity: 5-1000Nm³ /h.
Nitrogen purity: 95%-99.99%
Dew Point: -45℃ -60℃

Features:

- Multi monitoring and control system, enables nitrogen purity, flow rate and pressure online display on panel screen.
- Cabinet compact skid mounted, neat design, easy installation.
- Food grade nitrogen by stages of high efficiency filters.
- Energy Efficiency system (EES) is optional for variable flow needs.



► Electronics Industry

To comply with more stringent laws for environment protection such as RoHS Directives, electronics industry is facing the trend of using plumbum-free materials as a substitute to traditional soldering materials containing plumbum.

CAE series PSA nitrogen generators are widely used for SMT, wave soldering, selective soldering, purge and sealing. Scientific nitrogen inerting has proven to be a necessary process during electronics element manufacturing. Electronics industry benefits from nitrogen solutions for lower cost and better solder point quality.

Capacity: 1-2000Nm³/h
Purity: 99%-99.9995%
Pressure: 0.1-0.8Mpa adjustable

Features:

- Low power consumption, just for compressed air generation.
- Direct high purity nitrogen generation, one-step PSA can reach 99.9995% purity of nitrogen.
- Failure alarm system and maintenance reminding system.
- Automatic control with touch-screen display of flow rate, purity and pressure.

SOLUTIONS



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► Aquaculture

As known, The demand for fish products increases rapidly in recent years which lead to high density farming. In this case, the most important factor for achieving healthy fish is to have healthy water. Studies show that maintaining the right level of oxygen in the water will improve utilisation of feed, reduce fish growth period, fish mortality and the need for vaccination and antibiotics. So, the appropriate use of oxygen improves the economic situation of fishing farms and provides additional production.

CAPE can provide a wide range of on-site oxygen generators and oxygen diffusion systems for aquaculture to meet users various requirements.



► Hospital Oxygen Generation

Hospital oxygen system, an on site oxygen generation system, is especially designed for hospital oxygen supply. The system will end your expensive reliance on traditional bulk liquid oxygen or cylinder oxygen without compromise on safety and reliability.

Hospital oxygen system consists of air compressor, dryer, air filters, PSA oxygen generator, oxygen monitoring system and oxygen back up system.

Features

- Produces medical oxygen directly from air and consumes electric power only.
- The oxygen meets requirements of the United States Pharmacopoeia (usp) for medical breath oxygen at the purity of 93%±3% and meets specific needs of hospitals.
- Multi monitoring and control system, enables oxygen purity, flow rate and pressure onlinedisplay on touch -screen.
- Turn key solution, all system pre-tested.
- Automatic operation without attention.

Specification of Medical oxygen generation system

Oxygen capacity: 1-100 Nm³/h.
Oxygen purity: 93±3%
Content of CO₂: ≤ 0.03%
Content of CO: ≤ 0.001%

SOLUTIONS



Gold Mine

Oxygen can be used for improving leaching efficiency and leaching rates. The explored gold is mixed with slurry. So separation between gold and slurry is necessary to get pure gold.

The mixture is put in big tank with water, and it is then stirred to increase the separation rate. To greatly increase the separation efficiency and rate, oxygen is needed to be put in.

The separation separation is 2-5 times of that without O₂. It thus greatly increases the economic benefits! SY has relevant experience in such application.

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Water Treatment



Due to tense supply of water resources, waste water disposal and water disinfection becomes more and more important to nowadays industries where oxygen is widely used.

Oxygen enrichment technology is popular in municipal waste water and industrial waste water disposal. With this technology, dissolve pool unit capacity is 4 times than normal ones and reduces 1/3 sludge production. At the same time, volatile organic and stink smell emissions are overtly deduced. The technology also has the features of low investment, low operation cost, sound ambient conditions and high efficiency.

PSA oxygen generators are widely used in waste water disposal for their long working lives and stable performances. Also equipped with ozone generators as oxygen source for ozone generation, PSA oxygen generators are used for large application capacities like swimming pool disposal.



SERVICE

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At Cape Golden service and support are not phases and slogans, they are rooted core value and belief, carrying our permanent commitment to the users.

After-sales Service

As the product is provided by our company, our company has the obligation for the service after product selling.

The contents of service after production selling include:

To establish user's files.

To investigate user or telephone calls at a fix date.

To be responsible for the maintenance at equipment.

To provide technological consultant service.



Service Content:

- Warranty complying with the SY product Warranty of suppliers of auxiliary facilities and spare parts.
- One year free warranty. Breakdown in this period out of quality problem, free maintenance and spare parts replacement will be provided. (Details see SY product Warranty policy.
- Maintenance for all service life of all equipment.
- Free technical consult service for all equipment.
- Out of warranty period material and spare parts of daily maintenance and labor service will be provided at the most preferential prices.
- Parameters including purity, capacity, pressure etc are guaranteed in warranty period as contract agrees.





Certificates and Qualification



Business License



Production Permit of Medical Apparatus and Instruments



Business Certificate of Medical Apparatus and Instruments



ISO9001 Quality Management System Certificate(Chinese)



ISO9001 Quality Management System Certificate(English)

Business License of Legal Entity

Production Permit of Medical Apparatus and Instruments

Business License of Medical Apparatus and Instruments

Registration Certificate of Medical Apparatus and instruments

Certificate of ISO9001 Quality Management System

Certificate of Trademark

Registration & Records Form of Foreign Trade Dealers



Registration & Records Form of Foreign Trade



Certificate of Trademark



Registration Certificate of Medical Apparatus



Registration Certificate of Medical Apparatus



Testing Report of Medical Apparatus



Testing Report of Medical Apparatus