

Medical On-site Oxygen Generation System

CAN GAS SYSTEMS COMPANY LIMITED

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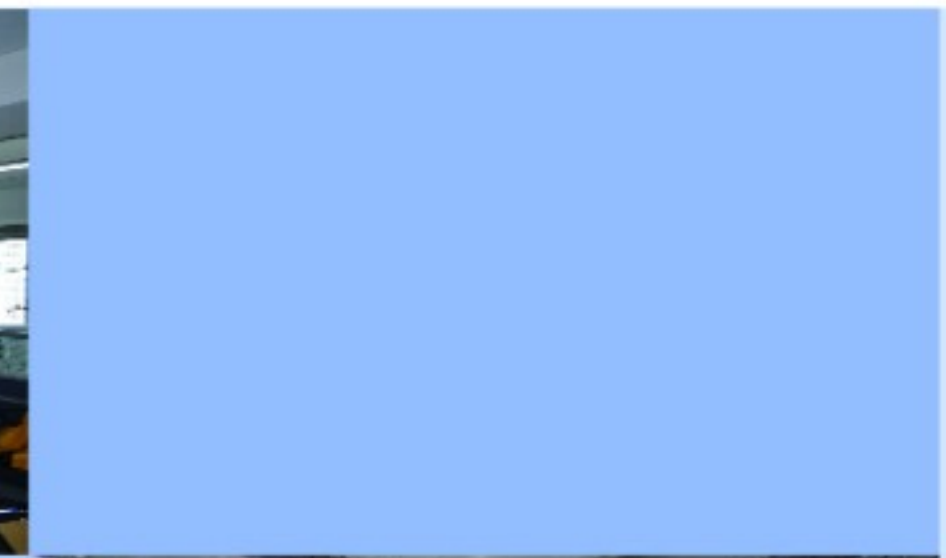
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COMPANY PROFILE



PROFILE

Founded in 1998, with 27,000 square meters' production base and more than ten years of experience in providing kinds of gas solutions and systems, CAN GAS wins respects from the customers all over the world. Up to now, CAN GAS has successfully provided over 1, 000 sets of on-site gas systems to the users over 40 countries and regions.

CANGAS® on-site medical oxygen systems is a special type of on-site oxygen generation, oxygen distribution and control system developed for the medical application. Besides general oxygen generation and distribution system for hospital, some customized kinds are available to be made, like vehicular mobile plant, plateau oxygen enrichment project. The medical oxygen systems have acquired Production Permit& Business Certificate& Registration Certificate of Medical Apparatus and Instruments, ISO9001 Quality Management System Certificate etc.

CANGAS PSA medical oxygen systems has been widely used in hospitals in China, Kazakhstan, Angola and so on. CANGAS systems have proven features of RELIABILITY, CONVENIENCE, ECONOMY.

CANGAS® medical oxygen generation systems can meet overall requirements of medical units. CAN GAS has an experienced professional team that is always ready to be at your service for pre-sales, sales, after-sales. The sales engineers carefully analyze your specific requirements and offer suitable technical proposals for you. The after-sale service system guarantees swift response to your problems within 24 hours and their resolutions in the shortest time. CAN GAS is responsible for after-sales services to every oxygen generator all through its service life, ensuring that every system keeps good working condition.



Medical On-site Oxygen Generation System



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

Medical On-site Oxygen Generation System



Products

PSA Working Principle

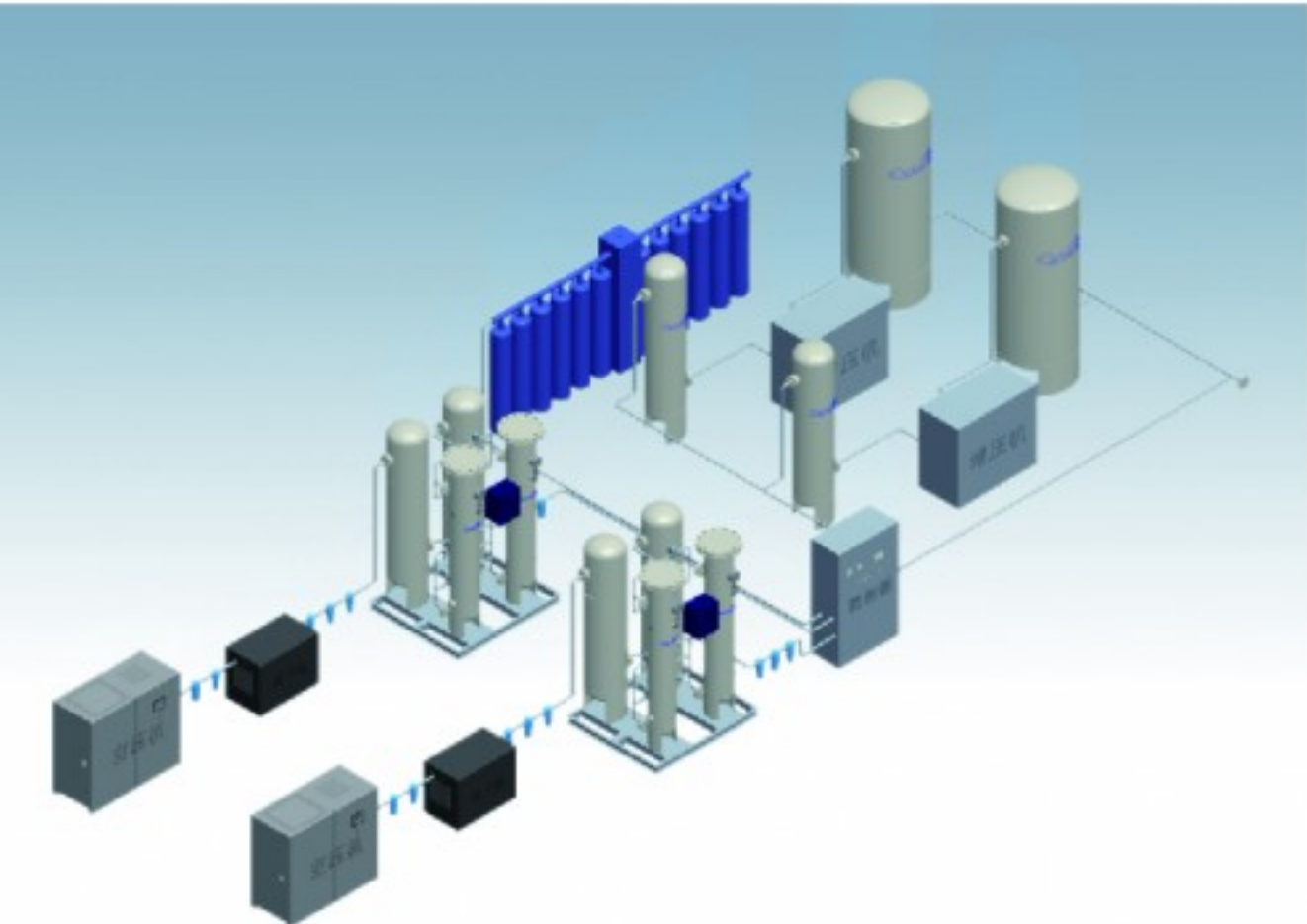
PSA(Pressure Swing Adsorption) oxygen generator, with ZMS (Zeolite Molecular Sieve) as adsorbent, on principle of pressuring to adsorb and depressuring to release, absorbs air and separates the oxygen from nitrogen thus to get oxygen gas. ZMS is round granular adsorbent full of micro pores inside and

outside,which has characteristic of selective adsorption. N_2 Has a higher diffusion rate while O_2 has a lower diffusion rate, therefore eventually N_2 is adsorbed into ZMS while O_2 is out of it.



Composition of Medical Oxygen Generation System

CANGAS® medical oxygen generation system consists of air compressor, refrigerated dryer, air filtration systems, PSA oxygen generator, oxygen filtration system, oxygen monitoring system, oxygen cylinder filling and backup system.



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Features

More reliable:

- Over ten years' experience, over 40 countries and regions, thousands of machines running.
- Designed and manufactured strictly in accordance with relevant standards of GB, GB/T, YY, and ISO 9001: 2008.
- CANGAS® CAPO Medical Series acquire Production License of Medical Apparatus and Instruments, Registration of Medical Apparatus and Instruments, Management System Certificate of Medical Apparatus and Instruments.
- Automatic start-stop, remote start-stop, unqualified oxygen automatic venting, central control of the whole system.
- Operate under low working pressure, much less potential safety hazard.
- Simple engineering design philosophy, the least moving parts to reduce possible break down problems.
- Optional CANBUS multifunctional monitoring system to show all process data via touch screen. Relevant system parameters such as purity, capacity, pressure can be set and displayed online; Malfunction alarm and maintenance reminder enable you to master operation conditions of all equipment.
- High-efficient silencer.
- Turn-key solution, pre-commissioned before shipment.

More economical:

- Completely automatic, labor cost saved.
- No need of specified professional men to operate, lower maintenance cost.
- EES system (Energy Efficiency System) enables you to produce oxygen as actual demand to lower operating cost.

More convenient:

- Use more advanced, higher efficient ZMS imported from France.
- Optional Wi-Ctrl remote wireless monitoring system for long-distance monitoring, commissioning, and upgrading.
- Generator maintenance and instrument calibration is simple and easy to do. Routine maintenance just includes maintenance of compressor and timing change of filter elements.
- Generator systems skid mounted, easy to assemble and move. Vehicle-Mounted for moving purpose.
- For special oxygen demand in special ozones, CANGAS develops vehicular oxygen generation system, which is applicable for oxygen supply and cylinder filling in battlefield, plateau, disaster area, no need of electricity, water.



Wi-Ctrl Long-distance Wireless Monitoring System

In traditional application way, it is difficult for designers to trace and maintain devices after they are assembled on worksite, also difficult to commission and upgrade when troubles come. Now we can additionally assemble GPRS intelligent wireless transmission device Wi-Ctrl to do real time and dynamic monitoring of devices. This plan realizes the remote control and monitor of worksite devices by adopting internet service wirelessly, which is not limited by distance and network technology.



Main Function of Wi-Ctrl System :

- It will automatically send alarm information to long-distance data centre, and meanwhile send an email to the email box of responsible engineer and automatic phone call to inform, so that the long-distance and local engineer can know of the operation conditions of equipment.
- Real-time long-distance monitor of operation condition and data of equipment.
- Remote commission and upgrade.

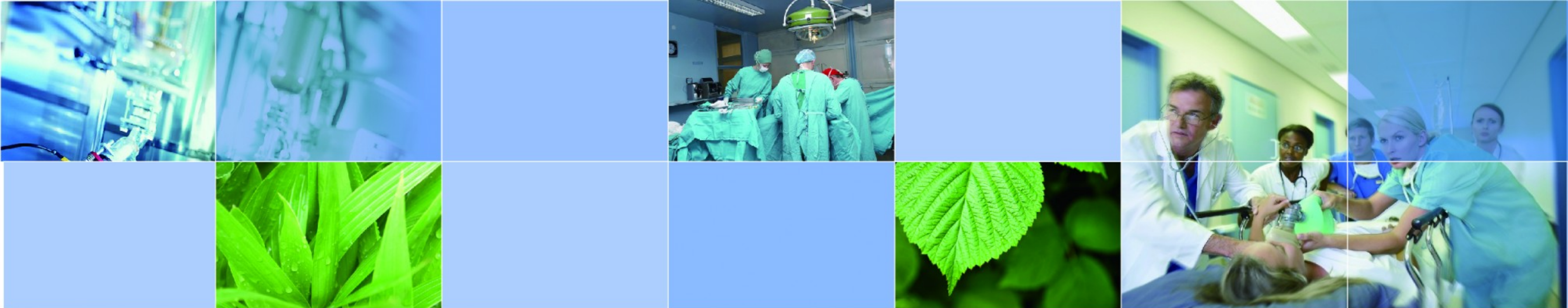


Vehicular Oxygen Trailer

For special oxygen demand in special ozones, CANGAS develops vehicular oxygen generation system, which is applicable for oxygen supply and cylinder filling in battlefield, plateau, disaster area, no need of electricity, water.



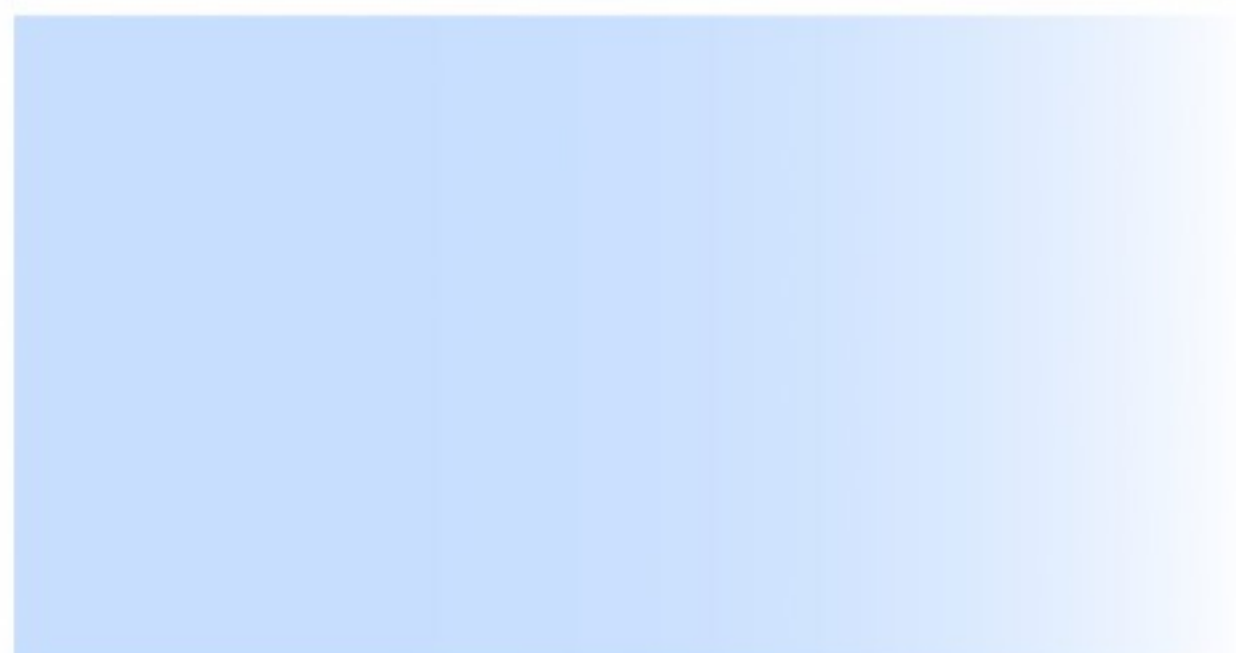
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Auxiliary Project and Service

CANGAS® Central Oxygen Supply System

- Central oxygen supply system
- Compressed air system
- Negative pressure adsorption system
- Calling system
- Ward terminal equipment
- Oxygen purity/alarm system



Medical On-site Oxygen Generation System



References



Based on good product quality and services, CAN GAS has hundreds of sets of medical oxygen generation systems applied in hospitals home and abroad.
CAN GAS will devote himself to providing professional technical support and services, and to improving medical level of human being.

Angola KILAMBA KIAXI Hospital Kazakhstan Almaty Child Care Centre
Kazakhstan Almaty Central Hospital Kazakhstan Uralsk Children Hospital

Heilongjiang Province People's Hospital
Beijing Food Monitoring Centre
Shandong Linyi High-tech Ozone People's Hospital
Blood Disease Study Centre of China Medical University
PLA Military Medical Institute
Guangxi Qinzhou the First People' Hospital
Beijing Tianyu Hospital
Beijing Beichen Hospital
Hubei Gong'an Hospital of Traditional Chinese Medicine
Heilongjiang Zhaoyuan Hospital of Traditional Chinese Medicine
Tianjin Xianshui Lake Hospital
Xinjiang Huocheng Jiangsu Hospital
Sichuan Yuezhong Hospital
Zhejiang Pujiang People's Hospital



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Quality After-sale Service and Network

Service Advantage:

- In china North China Centre, South China Centre, South China Centre, East China Centre, Northeast Centre, Northwest Centre, Southwest Centre are set to provide swift response services.
- For foreign services, online guidance will be provided once breakdowns occur. If not available for solutions, engineer will be sent onsite for maintenance within days.
- Backbone engineers have been well selected and trained, and have a service experience of over 8 years.
- Keep close cooperation with suppliers of auxiliary facilities and components, and provide spare parts and accessories timely.
- 24 hours'service per day.
- Wi-Ctrl monitoring system enables remote alarm and maintenance.

Service Content :

- Warranty complying with the CAN GAS Product Warranty Policy and 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 CAN GAS 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.

Join and Cooperate Look Future

CAN GAS is expecting to work together with kinds of medical units, to jointly improve modern medical level!

CAN GAS is dedicating to continuously improving medical gases applications, improving medical product quality by taking innovation and advanced technology and by adopting more sophisticated techniques.