



CanGas[®] CFS series PSA oxygen generator with cylinder filling system

CAN GAS CFS series PSA oxygen generator with cylinder filling system is composed of parts & equipments of most famous and best quality in the world to maximum your productivity in consistent running and to exempt you from future worries. CAN GAS experienced professional engineers and teams, and products with durability, easy to handle, automatic controlling ensure low cost on maintenance and help you to focus on your business without troubles.



Features of CAN GAS CFS series PSA oxygen generator with cylinder filling system

01 Cost-effective by low operating costs

02 Sophisticated and reliable technology

03 Exact purity for every application

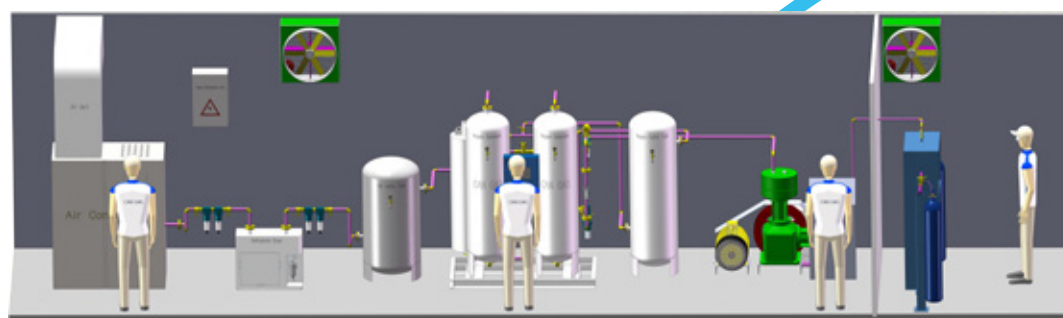
04 Medical oxygen-compatible components

05 Easy to handle, install and maintain

06 Automatic and unattended operation

07 PLC+Touch-screen control panel with maintenance free, pressure & purity & flow monitoring, and alarm/-maintenance reminders, parameter settings, logs

08 Compact - completely pre-piped and skid mounted
Produces oxygen from only raw material - ambient air



Container-mounted



Product oxygen from CAN GAS CFS series PSA oxygen generator with cylinder filling system meets the U.S.P medical standard with 93% or higher (95% , 99.5 %) oxygen purity. The systems are equipped with high pressure piston/diaphragm oxygen boosters designed for 24 hours/day oxygen production and cylinder refilling. If over 150bar filling pressure or high oxygen flow is required, diaphragm oxygen booster is highly recommended as its performance is more stable and non-troublesome relatively & comparatively.





Key advantages of applying diaphragm oxygen booster especially for medical oxygen cylinder refilling



The working chambers of the booster are of diaphragms in cylinder head of curved surface. They are with static seal and there is no leakage of gas. It can easily reach high boosting pressure.



The transmission part is compressed hydraulic anti-oxygen oil, and the equipment has low vibration and low noise.



Fewer consumables, mainly diaphragms. Subsequent maintenance and operation costs is low.



The gas does not come into contact with the transmission components and thus the gas will not be contaminated. The quality of the product oxygen quality and cleanness are guaranteed.

Why CAN GAS?

01

20+ years experiences & 4000+ successful cases worldwide. Such manufacture & field experiences ensure your technical problems are taken care of and fixed right away and professional proposals & solutions are available within 24 hours.

02

Integrated R&D, design, production, sales, engineering and service ensure not only excellent quality, but also proper in time support and service.

03

ISO9001, ISO13485, ISO45001, ISO14001, and CE Certifications will help you to get imported right of medical equipment immediately, no trouble at customs or medical regulations or local registration.

04

CAN GAS is committed to help clients and partners to find best solution to meet current & future needs via introducing advanced technology, continuing integration of more high-tech, sophisticated and cutting-edge technologies into CAN GAS products, and continuing improvement on product qualities.



ROI (return on investment) of CanGas® CFS series PSA oxygen generator with cylinder filling system



Assuming a standard 40L oxygen cylinder (contains 6m³ oxygen at 15MPa after fully filled) is rented by hospitals with cost of 3.7 USD on average and local electrical cost is 0.1 USD/ kwh.



With CAN GAS patented energy saving technology and high efficiency equipments, 1 m³ of oxygen can be produced consuming 2kwh power (for all CAN GAS standard CFS models).



When you sell 1 cylinder of oxygen to hospitals, the profit is simply $3.7 - 6 \times 2 \times 0.1 = 2.5\text{USD}$.



On daily basis if you sell 100 cylinders of oxygen the profit is $2.5 \times 100 - X = 250\text{USD} - X$. The "X" stands for the transportation cost or cost of gasoline for your truck to transport these 100 cylinders.



Your annual ROI has to deduct basic maintenance of the CFS oxygen system. Take CFS-25 below for example, the annual maintenance cost is about 8,600 USD.



Then the annual ROI would be: $2.5 \times 100 \times 365 - 8,600 - X \times 365 - Y = 76,080\text{ USD} - X \times 365 - Y$. The "Y" stands for the labor cost of the operator.



If your local market has a high demand of bottled oxygen supply, the higher investment you put on CFS oxygen system, the more you can earn daily & yearly.

Models & Specification



Model	O ₂ flow (Nm ³ /h)	O ₂ refilling speed (cylinders/day)	PSA O ₂ generator outlet pressure	Cylinder refilling pressure	O ₂ purity
CFS-3	3	12	Standard 5bar 5~10bar customizable Bypass for direct oxygen supply to hospital	100-300 bar customizable	Standard 93% Option A: 95% Option B: 99.5%
CFS-5	5	20			
CFS-10	10	40			
CFS-15	15	60			
CFS-20	20	80			
CFS-25	25	100			
CFS-30	30	120			
CFS-50	50	200			
CFS-80	80	320			

Note: Assuming oxygen cylinder volume is 40 liters, filling pressure is 150bar, and 24 working hours per day.

Customized models and specifications are available.

International medical standards certified for installation & operation in hospitals and medical facilities.





CAN GAS SYSTEMS COMPANY LIMITED

Add: B514~516, GID International Center, 27 Nanbinhe Road, Xicheng District, Beijing, China, 100055.

Phone: +86 10 63338130

Fax: +86 10 63338230

E-mail: sales@can-gas.com

Website: www.can-gas.net