



GC122 GAS CHROMATOGRAPH



APPLICATION AREAS

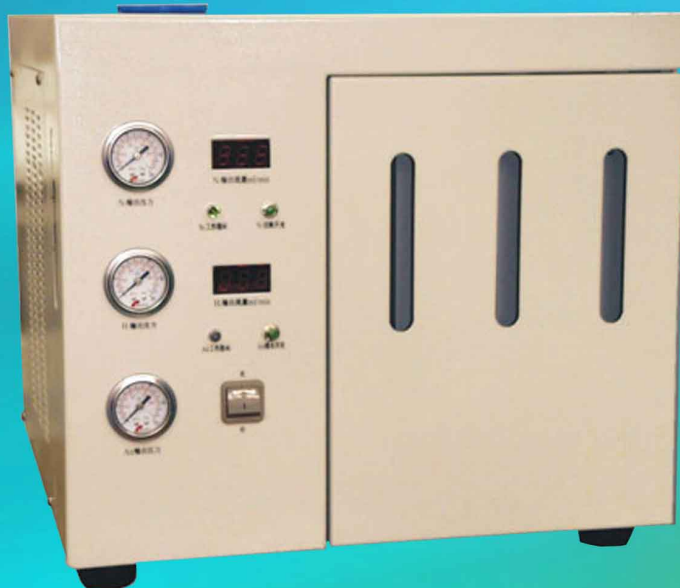
- Trace toxics analysis, monitoring and research in environmental protection, atmosphere and water source pollution.
- Biochemistry, clinic application, pathology and toxicology research.
- Microorganism analysis and research in food ferment, and microelements analysis in beverage.
- Intermediate and finished product analysis in Chinese and western medicine materials.
- Crude oil composition analysis and control in petroleum processing, petrochemical industry, petroleum geological industry, and geological prospecting research;
- Component research and production control in organic chemistry and organic synthesis.
- Analysis and research in sanitary quarantine, labor protection, and hazard detection.
- Monitoring, control and research in cuttingedge science and military technologies.

Note :

Due to keeping innovation,
the specification and
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are subject to alteration
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GBQKD-1 GAS GENERATOR(N₂,H₂,AIR)



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FUNCTION AND USAGE

GBQKD-1 Gas generator is a gas generator perfect combination of Nitrogen, Hydrogen and Air, it has small volume, easy operation, and multistage protection device inside, it is applicable to supply stable and high-quality hydrogen, air and nitrogen for gas chromatography .

PRODUCT FEATURES

- 1) It can be instead of high-pressure cylinders, and make the lab instrumented.
- 2) Its operation is easy, output pressure is stable, and equipped with flow display.
- 3) It don't consume electrolyte solutes, just add distilled water.
- 4) Its performances are reliable and safety, equipped multistage protection device.
- 5) It can be used continuously and for long time.

TECHNICAL PARAMETERS

1	Nitrogen purity	>99.999%
2	Hydrogen purity	>99.999%
3	Air quality	dry, no oil, three grade purification of clean gas.
4	Outflow	N ₂ , H ₂ :0-300ml/min; Air/:0-2000ml/min
5	Out pressure	H ₂ :0-0.4mpa(set 0.3mpa) N ₂ :0-0.5mpa(set 0.4mpa) Air: 0-0.4mpa
6	Working power	220V±10%; 50HZ±5%
7	Max. power	400W
8	Temp. requirement	temp. humidity:10-40°C; HR:≤85%; without large dust and corrosive gas
9	Dimension	460*440*370mm
10	Weight	40Kg

GC-9801 / GC-9800 GAS CHROMATOGRAPHY

FUNCTION AND USAGE

Gas chromatography carries out the quantitative analysis and peculiar smell testing for residual solvent on food packaging cases after printing;

Test the pureness and quality of organic solvents.

FEATURES

1. With higher ratio of function and reasonable price, economic and efficient
2. The design of the cellular integral structure is convenient for installation.
3. It can be connected to the chromatogram data work station so as to greatly improve the working efficiency.
4. With FID detector
5. With the flexible design of the packed column and capillary column injection ports.
6. Packed column and capillary column sample injectors can be selected as per actual situations. Wide column box (300×300×200mm)
7. In order to meet complicated analytic task, it makes use of various chromatographic columns so as to offer convenience and widen the range of the analytic samples. The advanced noise suppression system can fully eliminate the fan noise under the chromatogram working state, so as to provide you a comfortable and quiet working atmosphere.
8. The sampling device is completely vitrified with two modes of rapid vaporizing and column sample injection.
9. Brand-new pressure stabilization and various air circuit system
10. The air circuit has three different kinds of forms: Single, double and triple. It can match six-way valve, blow back, and pre-cut equipment and so on according to the users' demands. It adopts new type pressure regulation system to ensure the re-productivity of equipment.
11. Reforming furnace can be equipped to implement microanalysis of CO and CO₂.
12. Cracking furnace can be equipped to do double eight-step temperature rise with microcomputer control, man-machine conversation and simple application.
13. Advanced temperature control system
14. Adopt microcomputer control and man-machine conversation to indicate various needed temperatures of the temperature column box.
15. Column box temperature control scope: (room temperature +10°C) - 400°C, eight-step temperature rise.
The speed is 0 - 30°C/min (increase 0.1°C/min), and the temperature control precision is 0.1%.
The control point number is eight points of A type with control scope (room temperature +10°C) - 400°C.
16. Overheat protection function
It can freely set temperature within 400°C with software program protection, and the hardwired connection adopts dual fail-safe design

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