

N2/H2/Air Combined Gas Generators



Model: NHA-500

Stable flow rate; Stable output pressure; Gas produced on demand !

Generator Introduction:

Combined three gas generators, N2/H2/Air generator is a perfect machine which combines to produce pure nitrogen, hydrogen and air. Compact size, easy operation. It is an idea gases resource. Could be used with kinds of gas chromatographs and other analysis instruments.

**Character:**

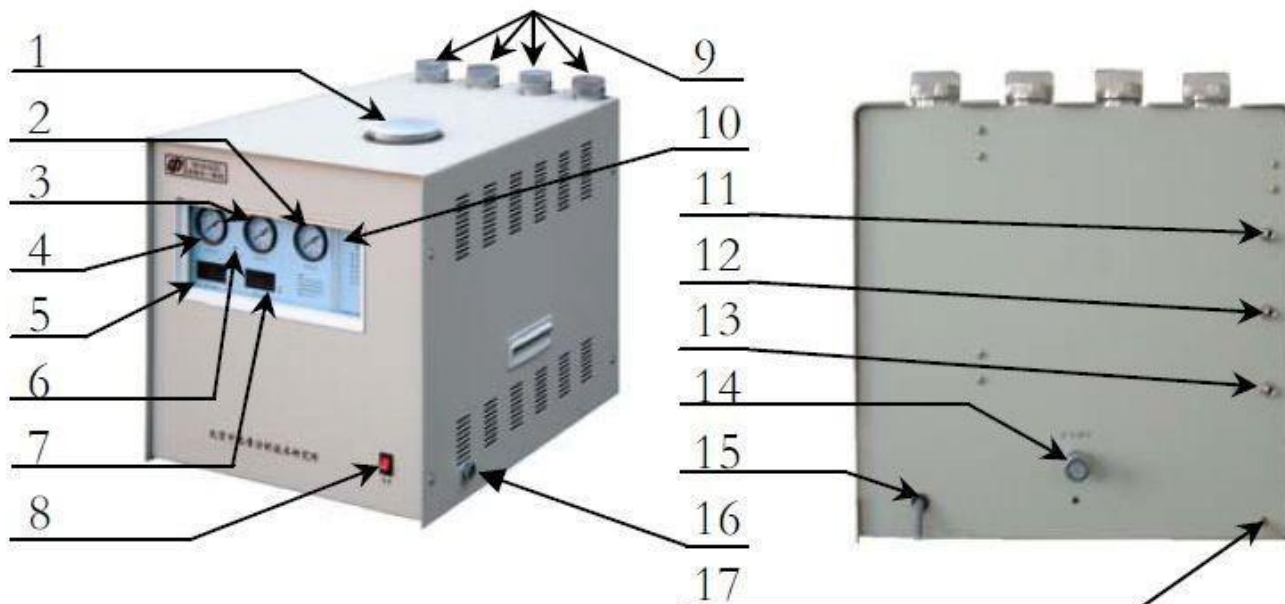
1. **Nitrogen** is produced through **water electrolysis technology**, use qualified membrane which is widely used in spaceflight electrolysis instrument. N₂ output purity is stable.
2. **Hydrogen** is produced also by water electrolysis technology. Through electrolysis water under KOH catalyst, to get pure H₂ gas.
3. **Air** is powered by whole sealing silent air compressor. After purification, water, oil, dust and impurities are removed. Through **pressure stable** system, **pure and silent** air is finally produced under stable pressure.

NHA-500 generator is an ideal equipment to replace high pressure gas cylinders.

Technology Parameter

| NHA-500 | H ₂ | N ₂ | Pure Air |
|--|----------------|--|----------|
| Output Flow Rate(ml/min) (Adjustable) | 0--500 | 0--500 | 0---2000 |
| Output Pressure | | 0--4bar | |
| Output Purity | | H ₂ :99.999% N ₂ : 99.999% Compressor inside | |
| Input Power | | <350W | |
| Input Voltage | | AC220V/110V±10%/ 50--60HZ | |
| Input Water Requirement | | De-ionized water or redistilled water. | |
| Equipment Size | | 350*350*500mm (L*W*H) | |
| Equipment Net Weight | | 35 | |
| Package | | Carton/plywood case | |

Machine Indication:



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|-----------------------------|---------------------------|----------------------|------------------------|
| 1. Electrolysis cell | 2. Air pressure gauge | 3. N2 pressure gauge | 4. H2 pressure gauge |
| 5. H2 flow display | 6. Working light | 7. N2 flow display | 8. Power button |
| 9. Filter | 10. Water level display | 11. H2 output port | 12. N2 output port |
| 13. Air output port | 14. Pressure stable valve | 15. Power cord | 16. Air drain out port |
| 17. Auto water drain out po | | | |