

N₂, H₂, ZERO AIR COMBINATION GAS GENERATOR



N₂, H₂ & Zero Air generators achieve the perfect combination of nitrogen, hydrogen and air. Compact structure and easy operation make it the ideal gas generator.

This product can be applied to various gas chromatography and analytical instruments at home and abroad. The N₂, H₂ & Zero Air Generator features a three-in-one design, compact construction, and simple operation. It is an ideal laboratory instrument to replace traditional cylinder gas. Widely used in petroleum, chemical, pesticide, fertilizer, electricity, tobacco, drug testing, wine making, water quality testing, environmental monitoring, indoor environmental monitoring, disease control centres, universities and research institutes.

KEY FEATURES

- Start the switch to produce gas, safe and reliable.
- The output flow can be adjusted automatically according to the dosage.
- With overpressure protection anti-liquid device.
- Microprocessor based digital display.
- Anti-impact anti-aging filter.
- High purity of gas, purity is not attenuated.
- One-time addition of alkali, only need to add distilled water for daily maintenance.
- Automatic drainage from stainless steel gas storage tank system.
- Overpressure protection device, pressure stability.
- Low noise and strong purification ability.
- System three-stage filtration (no oil).
- Long service life and easy maintenance.
- Can be used continuously for 24 hours.

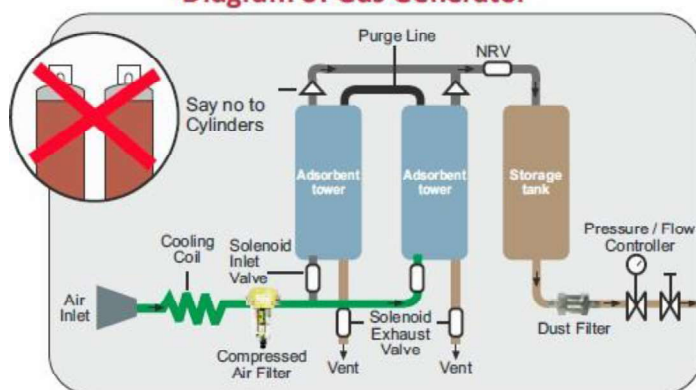
- Compatible with gas chromatographs at home and abroad.
- It can replace traditional high-pressure cylinders; N₂, H₂ and air can be generated separately or together.
- Generate nitrogen using PSA (Pressure Swing Adsorption) technology.
- Generate hydrogen through electrolysis technology; no need to add lye.
- Silent sealed air compressor; pure air output under stable pressure.
- Completely automatic tracking equipment.

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	PRAMA
Nitrogen Outflow	0–300 ml/min
Air Outflow	0–2000 ml/min
Hydrogen Outflow	0–300 ml/min
H ₂ , N ₂ , Air Output Pressure	4–5 Bar
H ₂ / N ₂ Purity	99.999%
Air Purity	99.999%
Moisture	< 2 ppm
Oxygen	< 3 ppm
Voltage	~220V ±10% 50Hz

Power	450 W
Water Tank	H ₂ – 2.5 liters
Ambient Temperature	5°C – 40°C
Water Quality Demand	Deionized water or double distilled water
Dimensions	500 × 700 × 700 mm
Weight	40 kg
N ₂ & Air Technology	PSA (Pressure Swing Adsorption)
Hydrogen Technology	Electrolysis

Diagram of Gas Generator



Technological Process

