

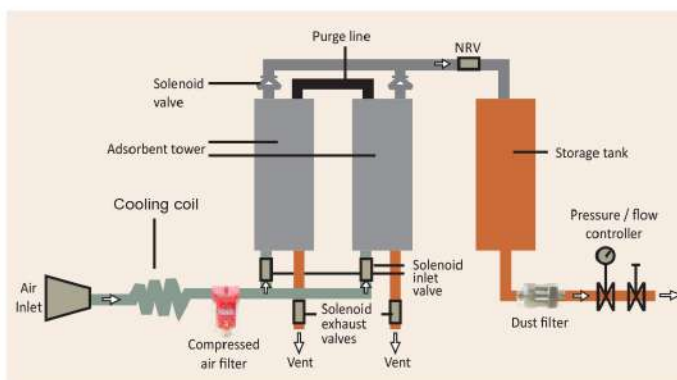
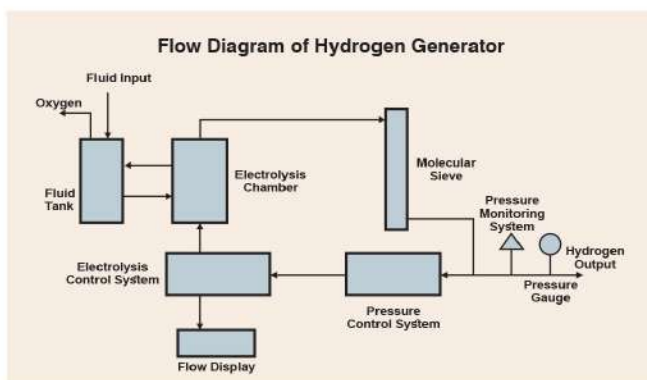
3 IN 1 Combination Gas Generator for N2, ZA & H2

Model : NHZA-03 (Modular & Stackable)

- Combination Gas Generator for UHP Nitrogen, Zero Air & Hydrogen.
- Nitrogen & Air Generator produces a continuous flow of high purity Nitrogen at selected pressure.
- The modular Pressure Swing Adsorption (PSA) unit operates with alternating pressure increase and decrease.
- Air flows under pressure through the reaction towers containing molecular sieve adsorber.
- Moisture, CO, CO₂, HC, Oxygen and other unwanted components in the air are adsorbed, leaving Nitrogen Gas of required purity & in another set of towers Moisture, CO, CO₂, HC and other unwanted components in the air are adsorbed, leaving Zero Air Gas.
- High Purity Hydrogen Gas Generator.
- Hydrogen is produced in the PGH Series Hydrogen Generators by the most advanced electrolytic membrane technology.
- The application of voltage across the electrolyte results in hydrolysis, breaking down the water molecule into hydrogen and oxygen gas, which are separated by the gas permeable membrane.
- Modular & Stackable, Floor Space Saving design with small footprint.



Model
NHZA-03 / NHZA-05 / NHZA-10



Principle of 3 in1 Gas Generator Model-NHZA-03 for 2 to 3 GC / Model-NHZA-05 for 5 GC / Model-NHZA-10 for 10 GC

Principle	N2 Gas	Zero Air	H2 Gas
Moisture	< 2 ppm	< 2 ppm	< 2 ppm
Oxygen	< 5 ppm	-	< 5 ppm
Total Hydrocarbon	0.5ppm	0.3ppm	0.3ppm
CO & CO2	< 2 ppm	< 2 ppm	< 2 ppm
Purity	99.999% UHP (GC grade)	99.999% UHP (GC grade)	99.999% UHP (GC grade)
Micron particles	0.01μ	0.01μ	0.01μ
Capacity of NHZA-03 / NHZA-05	200ml/min at 5kg/cm ² / 500 ml/min at 5 kg/cm ²	1500ml/min at 5kg/cm ² / 4000 ml/min at 5 kg/cm ²	300ml/min at 4kg/cm ² / 500 ml/min at 4 kg/cm ²
NHZA-10	1000 ml/min at 5 kg/cm ²	8000 ml/min at 5 kg/cm ²	1000 ml/min at 4 kg/cm ²
Air Compressor	Inbuilt	Inbuilt	NA
Method of Purification	Pressure Swing Adsorption and Depressurization	Catalytic conversion Filtration	PEM Technology
Room Temperature		20°C to 30°C	
Start uptime	1hr/programmable by timer	10 min	30min
Electrical Supply		230 V AC, 50Hz, 1ph, 5 amp	
Size of the 3 in1 Generator			
NHZA-03/05		1220H X 400W X 600D mm	
NHZA-10		1400H X 400W X 900D mm	
Weight (approx.)	For NHZA - 03 (90 kg)	For NHZA - 05 (90 kg)	For NHZA-10 (150 kg)
Power Consumption		600W	
Gas Outlet Port	1/8" OD	1/8" OD	1/8" OD