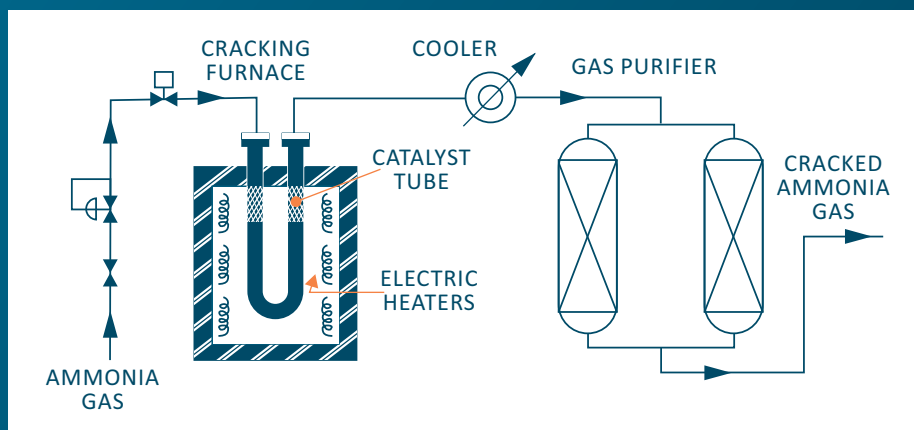




AMMONIA CRACKING HYDROGEN GENERATORS

- **GAS COMPOSITION**
75% Hydrogen + 25% Nitrogen
- **UNCRACKED AMMONIA**
1-ppm max.
- **DEW POINT**
Upto (-)80°C
- **FURNACE HEATING**
Gas Fired or Electrically heated
- **STANDARD SIZES AVAILABLE**
1 NM³/hr to 1000 NM³/hr
- **GAS OUTLET PRESSURE**
Up to 7 kg/cm²g directly from Cracking Unit
Then Booster gas compressor is added if higher pressure required

Ammonia cracking hydrogen generators are catalytic cracking units in which Ammonia is dissociated to Nitrogen and Hydrogen. Ammonia from cylinders or tanks is used as feed. The product gas has 75% Hydrogen and 25% Nitrogen. This is further purified in a Molecular Sieves unit for removing uncracked-Ammonia and moisture. Purified gas is then used in Heat Treatment furnaces like Annealing, Sintering, Galvanizing and also as a reducing furnace atmosphere. It is widely used in stainless steel and Carbon steel bright annealing. Investment in such Hydrogen Generator is very low and also cost of Hydrogen produced is very low. Only electrical power is required for its running.





MVS is a Turnkey supplier of Gas generators

(Hydrogen, Nitrogen and Oxygen), Air dryers, Liquid dryers and Air heaters and over 10000 units have been supplied in India and the world over. MVS started in 1977 and has become a market leader in product innovation and high quality Gas plants industry . MVS was the first to get ISO 9001 certification in the Gas industry in India and continues to set new industry standards in Gas Technologies.

PRODUCT LINE

► GAS GENERATORS

- Nitrogen
- Oxygen
- Hydrogen
- Ammonia Cracker
- Inert Gas Generator
- Exo Gas generator

► DRYER UNITS

- Compressed Air
- Dryers Solvent/ Liquid Dryers

► AIR & GAS HEATERS

► GAS PURIFICATION UNITS

- Nitrogen purifiers
- Hydrogen purifiers
- Argon gas purifiers



'MVS House', E-24, East of Kailash, New Delhi - 110065 (INDIA)

Phones : +91-11-49997000 **Fax :** +91-11-49997099

On-Site Gas Generation Solutions for Nitrogen, Oxygen & Hydrogen

Email: sales@mvsengg.com, **Website:** www.mvsengg.com