

25
YEARS

*Dedication to Industry, presence
in more than 65 Nations and for
every known application....*



- NITROGEN GAS GENERATOR
- ▼
- HYDROGEN GAS GENERATOR
- ▼
- AMMONIA CRACKER UNIT
- ▼
- HYDROGEN GAS PURIFIER
- ▼
- OXYGEN GAS GENERATOR
- ▼
- COMPRESSED AIR/ GAS DRYERS



INNOVATION IN GAS TECHNOLOGY



www.samgasprojects.com

Gas Generation Technology at its best.....



HYDROGEN GAS GENERATION BY ELECTROLYSIS PROCESS

This method generates Hydrogen through Water Electrolysis with purity of 99.8% (bipolar type) along with gas boosters and De-Oxo units (helps further in purifying it up to 99.999%). Electrolysis dissociates the elements of water (Oxygen and Hydrogen) by charging water with electrical current. The Hydrogen obtained is collected in a Hydrogen gasholder and is further used for processing. In electrolysis process, symmetrical conductive structure is provided with anode in the middle and cathode at ends that avoids the shortage of voltage. The purified gas obtained after the process is used in heat treatment furnaces like annealing, sintering and as reducing furnace atmosphere. & other applications.



Industry Applications

- Hydrogenation of Edible Oil & Fatty Acids
- Reducing Protective Atmosphere
- Protective Atmosphere For Casting Float Glass On Molten Metal Bath
- Protective Atmosphere For Manufacture Of Electronic Component
- Petroleum and chemical industries
- Used as a shielding gas in welding methods such as atomic hydrogen welding
- Hydrogen being an authorized food additive that allows food package leak testing among other anti-oxidizing properties.

Technical Specifications

Flow Rate	1 to 100 Nm ³ / hr.
H ₂ Purity	98% - 99.999%
Pressure	5- 25 Bar
Oxygen	1 ppm -2%

HYDROGEN PURIFIER



Customer Satisfaction is Our Motto...

24X7 ON CALL

SAM is highly equipped with a team of expert Engineers in assisting Our Customers on phone with typical RESPONSE time within 10-12 Hrs.

PERIODIC MAINTENANCE

SAM machines are typically designed for trouble free operation, ensuring that PERIODIC MAINTENANCE is done by our expert service engineer.

AMC & CMC

Our esteemed Customers Domestic and International, are extended with AMC and CMC options, with deployment of a dedicated Engineer, for trouble free Plant Operation, thus, resulting to Maintenance free operation with increased Productivity.



SAM GAS PROJECTS (P) LTD.

(AN ISO 9001 : 2015 CERTIFIED COMPANY)

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