

# COMPRESSED HYDROGEN GAS (H<sub>2</sub>)

CHG



We are always the first and so...

At GACL, we bring the premium quality products manufactured by the state-of-the-art technologies. Hydrogen Gas is manufactured by UHDE, German Technology, of Membrane Electrolyser. It is compressed to 150-kg/cm<sup>2</sup> pressure to fill in cylinders or cylinder banks.

## EXCLUSIVE FEATURES

- High purity Hydrogen due to Membrane Electrolyser Technology
- Colourless & Odourless gas
- Mercury free

## APPLICATIONS

- Organic Hydrogenation
- As a Fuel
- Catalytic Reduction
- Hydrochloric Acid Manufacture
- As a Reducing agent
- Ammonia Synthesis
- Hydrogen-fuel cells manufacture used in eco-friendly automobiles

## SPECIFICATIONS

Sr.	Characteristic	Specifications
I.	Purity (as H <sub>2</sub> )	% 99.50 min

**Caution :** Flammable limit in Air: 4 to 75 vol. %.  
Explosive mixture with Oxygen.

## ADVANTAGES

- GACL guarantees minimum 99.5% purity of H<sub>2</sub> as it is produced by Electrolysis.
- QCD is equipped with most modern instruments to analyze special test on request.

## PACKING

- Cylinder (5,6 & 7 NM<sup>3</sup>)
- H<sub>2</sub> Cylinder Banks / Skids

## PRODUCTION CAPACITY

- 25000 NM<sup>3</sup>/day at Dahej Complex at 150 kg/cm<sup>2</sup> / 200 kg/cm<sup>2</sup> pressure
- 15000 NM<sup>3</sup>/day at Vadodara Complex at 150 kg/cm<sup>2</sup> / 200 kg/cm<sup>2</sup> pressure

## CONTACT

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**Gujarat Alkalies and Chemicals Limited**

An ISO Certified Company

(Promoted by Govt. of Gujarat)

**Vadodara Complex (Regd. Office & Works) :** P. O. Ranoli - 391 350,  
Dist. Vadodara (Gujarat) INDIA

**Dahej Complex (Works) :** P. O. Dahej-392 130, Tal. Vagra,  
Dist. Bharuch (Gujarat) INDIA

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