Hydrogen Energy Applications

(Hydrogen H_2,Helium He, Nitrogen N_2)

YIGAS INTERNATIONAL LIMITED

1. Overview

Hydrogen is a key energy carrier in the transition to clean fuel systems. YIGAS provides H_2, He, and N_2 for hydrogen refueling, testing, and leak detection.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
H_2	≥99.999%	Gas	-253 °C	10—300 bar
He	≥99.999%	Gas / Liquid	-269 °C	5—200 bar
N_2	≥99.999%	Gas	-196 °C	5—200 bar

3. Industrial Standards

All gases comply with:
- ISO 14687 – Hydrogen fuel quality
- SAE J2579 – Fuel system safety
- EIGA Doc 121/20 – Hydrogen infrastructure safety

4. Applications

- H_2: Fuel cells and energy storage
- He: Leak detection in H_2 systems
- N_2: Inerting and pressure testing

5. Packaging & Supply

Cylinder • Tube Trailer • On-site System

6. Contact Information

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This document provides reference specifications for YIGAS hydrogen energy gases. Customized supply and technical support are available upon request.