

Inerting and Blanketing Gas Standards

(Nitrogen N2, Argon Ar)

YIGAS INTERNATIONAL LIMITED

1. Overview

Inerting and blanketing gases are used to protect reactive materials, prevent oxidation, and ensure process safety. YIGAS provides high-purity nitrogen (N2) and argon (Ar) solutions for chemical, pharmaceutical, and food industries.

2. Technical Specifications

| Gas | Purity Level | Typical Phase | Temperature Range | Common Pressure |
|-----|--------------|---------------|-------------------|-----------------|
| N2 | ≥99.999% | Gas / Liquid | -196 °C | 5—200 bar |
| Ar | ≥99.999% | Gas / Liquid | -186 °C | 5—200 bar |

3. Industrial Standards

All gases comply with:

- ISO 14687 – Hydrogen quality for fuel cell vehicles
- EIGA Doc 87/19 – Hydrogen production and safety
- GB/T 37244–2018 – Hydrogen fueling specifications

4. Applications

- Fuel cells for mobility and stationary systems
- Hydrogen refueling stations
- Industrial hydrogenation processes

5. Packaging & Supply

Cylinder • Dewar Tank • ISO Tank • On-site System

6. Contact Information

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