

Glass Manufacturing Gas Standards

(Oxygen O2, Nitrogen N2, Hydrogen H2)

YIGAS INTERNATIONAL LIMITED

1. Overview

In glass manufacturing, gases are vital for melting, refining, and coating processes. YIGAS provides O2, N2, and H2 with consistent purity and flow stability for precision production.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
O2	≥99.5%	Gas	-183 °C	10—200 bar
N2	≥99.999%	Gas	-196 °C	5—200 bar
H2	≥99.999%	Gas	-253 °C	10—200 bar

3. Industrial Standards

All gases comply with:

- ISO 14175 – Gases for industrial processes
- EIGA Doc 100/20 – Combustion and flame safety
- GB/T 3864–2020 – Gas labeling and safety

4. Applications

- O2: Glass melting, combustion enhancement
- N2: Atmosphere control, coating deposition
- H2: Reduction in float glass and coating

5. Packaging & Supply

Cylinder • Tube Bundle • Bulk System • On-site Supply

6. Contact Information

www.yigasgroup.com

Address: Guangdong, China

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