

Metallurgy Decarbonization Gas Solutions

(Oxygen O₂, Hydrogen H₂, Argon Ar, Carbon Monoxide CO)

YIGAS INTERNATIONAL LIMITED

1. Overview

Metallurgical decarbonization uses gases to reduce emissions and improve process efficiency. YIGAS supplies O₂, H₂, Ar, and CO for steelmaking and metal refining.

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
O ₂	≥99.9%	Liquid / Gas	-183 °C	5—200 bar
H ₂	≥99.999%	Gas	-253 °C	10—300 bar
Ar	≥99.999%	Gas	-186 °C	5—200 bar
CO	≥99.9%	Gas	-192 °C	5—200 bar

3. Industrial Standards

All gases comply with:

- ISO 23251 – Industrial gas systems
- EIGA Doc 70/17 – Safe use of cryogenic fluids
- GB/T 8982–2020 – Analytical gas purity

4. Applications

- O₂: Combustion and oxidation
- H₂: Reduction in green steelmaking
- Ar: Shielding in heat treatment
- CO: Metal refining atmosphere

5. Packaging & Supply

Cylinder • Tube Trailer • On-site Gas Supply

6. Contact Information

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